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LIST

OF THE

SPECIMENS

OF

DIPTEROUS INSECTS

IN

THE COLLECTION

OF THE

BRITISH MUSEUM.

PART II.

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INTRODUCTION.

The principal object of the present Catalogue has been to give a complete list of the specimens of Dipterous Insects contained in the collection of the British Museum, indicating at the same time the peculiarities of each, as regards variations of character, locality, and the source from whence it has been derived. With this view, the different individuals of each species contained in the collection are indicated by the letters *a*, *b*, *c*, &c., following the name of the species and its synonymes, and the description, if it appeared to have been before undescribed.

This part of the Catalogue of Dipterous Insects has been prepared and the new species described, by Mr. Francis Walker, so well known for his attention to this order of Insects.

The remaining parts, containing the other families, are in hand, and will follow as soon as they can be completed.

JOHN EDWARD GRAY.

British Museum,
March 15, 1849.

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SMITHSONIAN
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LIST OF DIPTERA.

PART II.

Sub-order I.—PROBOSCIDEÆ.

Fam. VII. BOMBYLIARII.

NEMESTRINA, *Wiedemann.*

NEMESTRINA longirostris, *Wied. Zool. Mag.* iii. 13, 17. *Dipt. Exot.* i. 156, 4. *Auss. Zweif.* i. 248, 3. *Macq. Hist. Nat. Dipt.* i. 372. *Guer. Icon. Regn. Anim. Ins. pl.* 95, *f.* 7. Mægistorhynchus longirostris, *Macq. Dipt. Exot.* ii. 1, 14, 1, *pl.* 1, *f.* 3.

a. Cape of Good Hope. From Mr. Children's collection.
b. Cape of Good Hope. From Mr. Walker's collection.

TRICHOPHTHALMA, *Westwood.*

TRICHOPHTHALMA funesta, n. s., mas. et fem. *Rufo-fusca, canescens, antennis nigris, basi pedibusque ferrugineis, alis cinereis, basi costaque ferrugineis.*

Allied to *Rhyncocephalus*, (Newm. Ent. 220.) Feelers very short; first and second joints very small; third joint longer, more or less conical; fourth joint like a bristle, composed of six lesser joints: palpi with the first joint short; the second and third joints long: fore border wing-veins as usual: the other veins with their branches and cross-veins, forming fifteen areolets, of which eight or nine are open to the wing-borders, and six or seven are closed; five are long and narrow, and open to the fore border close to the tip;

one is open to the tip and to the hind border: the seventh joint is confined to the hind border, and is divided by a very short vein from the preceding; the eighth joint communicates with the hind border and with the base of the wing, and is separated from the seventh by an areolet which is, more or less, open; two of its sides form an angle on the hind border: body dull reddish brown, slightly tinged with a hoary bloom, and thinly clothed with short black hairs; under-side hoary, and thinly clothed with pale yellow hairs: head tawny above the insertion of the feelers; hypostoma ferruginous: sucker black, much shorter than the chest; the other parts of the mouth ferruginous: feelers black; first and second joints ferruginous; third joint conical, piceous at the base; bristle nearly twice the length of all the preceding joints: eyes dark red, clothed with tawny down: a fringe of pale yellow hairs on the hind border of the chest, and another on the base of the abdomen, which in the male, is round at the tip, shorter than the chest, and rather broader than long; that of the female has the four hindmost segments very small and narrow, and forming a short tail: legs ferruginous: wings gray, ferruginous at the base and along the fore borders, and slightly tinged with the same colour on the disks; wing-ribs and fore border veins ferruginous; the other veins black; poisers tawny. Length of the body 7—9 lines; of the wings 18—21 lines.

a. New Holland. From the Rev. J. Wenham's collection.
b. New Holland. From Mr. Argent's collection.
c. ——— ?

TRICHOPHTHALMA Aurora, n. s., mas. et fem. *Fusca, pilis roseis vestita, thorace nigro-fusco univittato et bimaculato, abdomine ferrugineo vittis tribus nigro-fuscis, antennis fulvis rufo cinctis apice nigris, pedibus ferrugineis, alis limpidis.*

Body thickly clothed beneath with rosy hairs: head clothed with brown hairs above the insertion of the feelers, whose first and second joints are tawny; the third joint is long-conical, red, black at the tip; the fourth joint is black, and rather longer than all the preceding joints: mouth ferruginous; sucker black, piceous at the base, a little shorter than the chest: eyes brown, thickly clothed with golden down: chest light brown, with a broad dark brown stripe on the middle, and two small oblong spots of the same colour on each side: a few brown hairs are mingled with the rosy fringe that adorns the sides of the chest and the scutcheon: abdomen tawny; the back with three broad dark brown stripes, and on each side a fringe of rosy hairs, and some of the same colour on the hind borders of the segments: legs ferruginous: wings colourless; wing-ribs and fore border veins ferruginous; the other veins piceous;

poisers tawny. Length of the body 6—8½ lines; of the wings 12—16 lines.

a. New South Wales. From Mr. Pamplin's collection.
b. New Holland. From Mr. Argent's collection.
c. New Holland. From Mr. Lambert's collection.

TRICHOPHTHALMA leucophæa, n. s. *Fusca, subtus alba, thorace fulvo univittato et albo bivittato, scutello utrinque albo, abdomine albo bivittato, antennis fulvis, pedibus ferrugineis, tarsis piceis, alis cinereis, ad costam fuscis.*

Body rich brown, white beneath: head white, thickly clothed beneath with white hairs; eyes piceous, thickly clothed with white down: sucker black, as long as the chest: feelers, hypostoma, and palpi tawny; the latter piceous at the tips: chest with a very slender tawny stripe in the middle, and two broader white stripes on each side; the inner white stripes are somewhat widened in the middle, whence two oblique bands of tawny hairs pass from them to the outer stripes, and join a fringe of the same colour on each side of the chest: a white semicircular band on each side of the scutcheon: breast thickly clothed with white hairs: abdomen with two white stripes, which are somewhat irregular in outline, and slightly widened on the fore borders of the segments: legs ferruginous, clothed with black hairs; thighs also clothed with white hairs; feet piceous: wings gray, slightly brown in front on half the breadth and on two-thirds of the length, whence to the tips the fore borders only are brown; wing-ribs and fore border veins ferruginous; the other veins black; poisers tawny. Length of the body 6 lines; of the wings 14 lines.

a. Western Australia. From Mr. Clifton's collection.

TRICHOPHTHALMA degener, n. s., mas. *Fusca, subtus alba, thorace fulvo univittato et albo bivittato, abdomine albo bivittato, lateribus flavo-fuscis, antennis fulvis piceo cinctis apice nigris, pedibus ferrugineis, alis subcinereis.*

Body rich brown, white beneath: head white, thickly clothed beneath with white hairs: eyes red, thickly clothed with white down: sucker black, as long as three-fourths of the body; palpi ferruginous; third joint piceous at the tip: feelers tawny; third joint piceous, short-conical; bristle black: chest like that of *H. leucophæa*, but having only a tuft of tawny hairs on each side; scutcheon dark ferruginous, with no white band: breast thickly clothed with white hairs: abdomen yellowish brown on each side, and having on the back two broad white stripes, which are more irregular than in the preceding species, and diverge along the fore borders of the segments

to the sides of the abdomen: legs ferruginous: wings slightly gray; wing-ribs and fore border veins dark ferruginous; the other veins black; poisers tawny. Length of the body 6 lines; of the wings 12 lines.

a. Western Australia. From Mr. Clifton's collection.

TRICHOPHTHALMA albimacula, n. s., mas. *Nigro-fusca, subtus alba, thorace albo bivittato, abdomine maculis albis bivittato, antennis ferrugineis piceo cinctis apice nigris, pedibus piceis, femoribus ferrugineis, alis subcinereis.*

Body very dark brown, white and thickly clothed with white hairs beneath: eyes piceous, thickly clothed with brown down: sucker black, dark ferruginous at the base, as long as the chest: feelers ferruginous, covered with a hoary bloom; third joint piceous, somewhat spindle-shaped: chest with two white stripes: abdomen with two large nearly round white spots on each segment, with the exception of the three last, where the spots are very small: legs piceous; thighs dark ferruginous, clothed with white hairs: wings slightly gray; wing-ribs and fore border veins piceous; the other veins black; poisers tawny. Length of the body 5 lines; of the wings 10 lines.

a. New Holland. From Mr. Argent's collection.

TRICHOPHTHALMA quadricolor, n. s. *Cinerea, capite nigro, abdomine fasciis luteis, maculis fuscis univittato maculisque fulvis bivittato, antennis nigris basi ferrugineis, pedibus fulvis, alis cinereis, ad costam fuscis.*

Body white beneath: head black, shining, and covered with a hoary bloom above the feelers, thickly clothed beneath with white hairs; hypostoma ferruginous, shining: sucker black, a little shorter than the chest; palpi ferruginous: feelers black; first joint ferruginous; third joint conical; bristle longer than all the preceding joints: eyes dark red, clothed with tawny or white down: chest gray, clothed with pale tawny hairs: breast thickly clothed with white hairs: abdomen bluish gray, with a stripe of dark brown spots in the middle, and one of tawny spots on each side; there is also a brown spot on each side of the base; hind borders of the segments luteous: legs tawny: wings gray; fore borders till near their tips brown, which colour somewhat descends into the disks of the wings; wing-ribs and fore border veins piceous; the other veins black; poisers tawny. Length of the body 5 lines; of the wings 12 lines.

a. Van Dieman's Land. Presented by R. Butler, Esq.

TRICHOPHTHALMA fulva, n. s., mas. *Fusca subtus alba, thorace vittis duabus scutelloque lividis, abdomine fulvo-fusco univittato, antennis fulvis apice nigris, pedibus ferrugineis, femoribus fulvis, alis subcinereis, ad costam subfuscis.*

Body white beneath: head clothed with white hairs above the insertion of the feelers, and more thickly covered beneath with pale yellow hairs: hypostoma tawny, and clothed with yellow hairs: eyes red, thickly clothed with white or tawny down: mouth black, a little shorter than the chest: palpi tawny, piceous at the tips: feelers tawny; third joint short-conical; bristle black, much longer than all the preceding joints: breast thickly clothed with white hairs; chest rich brown, with two livid stripes, and adorned with a fringe of golden hairs on each side and behind; scutcheon also livid: abdomen tawny, clothed with golden hairs, which form a fringe on each side; the broad dark brown stripe on the back is somewhat dilated on the sutures of the segments: legs ferruginous; hips and thighs tawny: wings slightly gray; fore borders till near their tips pale brown, which colour blends with the gray on the disks; wing-ribs and veins dark ferruginous; the other veins piceous; poisers tawny. Length of the body 4—5½ lines; of the wings 9—12 lines.

a. West Australia. From Mr. Clifton's collection.

TRICHOPSIDEA, *Westwood.*

TRICHOPSIDEA œstracea, *Westw. Trans. Ent. Soc. Lond.* ii. 152, *pl.* 14, *f.* 9. *Macq. Dipt. Exot.* ii. 1, 119, *pl.* 3, *f.* 1.
a. Van Dieman's Land. Presented by the Rev. T. Ewing.

COLAX, *Wiedemann.*

COLAX? variegatus, *Westwood, Orient. Ent.* vi. 38, *pl.* 18, *f.* 5.
a. China. Presented by G. T. Lay, Esq.

LOMATIA, *Meigen.*

LOMATIA Belzebul, *Curt. Brit. Ent. 2nd edit.* ix. 1. *Macq. Hist. Nat. Dipt.* i. 411, 1, *pl.* 10, *f.* 6. *Gim. Bull. Soc. Imp. Nat. Mosc.* 1847, 1, 209, 2. Anthrax Belzebul, *Fabr. Ent. Syst.* iv. 260, 14. *Syst. Antl.* 124, 28. *Meig. Klass. Zweif.* i. 201, 5. Stygia Belzebul, *Meig. Dipt.* ii. 139, 2.
a. South of France. From Mr. Walker's collection.
b. Albania. Presented by W. W. Saunders, Esq.
c. ——— ?

LOMATIA sabœa, *Macq. Hist. Nat. Dipt.* i. 412, 3. Bibio sabœus. *Fabr. Sp. Ins.* ii. 416, 8. Anthrax sabœus, *Fabr. Ent. Syst,* iv. 261, 19. *Syst. Antl.* 126, 36. Musca sabœus, *Gmel. Ed. Syst. Nat.* v. 2832, 139. Stygia sabœa, *Meig. Dipt.* ii. 138, 1.
a. France.
b. Italy. From Dr. Leach's collection.
c. Albania. From Mr. Walker's collection.

LOMATIA lateralis, *Curt. Brit. Ent. 2nd. edit.* ix. 2. *Macq. Hist. Nat. Dipt.* i. 411, 2. *Gim. Bull. Soc. Imp. Nat. Mosc.* 1847, 1, 209, 1. Anthrax Belzebul, *Panz. Faun. Germ.* xlv. 16. Stygia lateralis, *Meig. Dipt.* ii. 140, 3.
a. England.
b. South of France. Presented by the Entomological Club.
c. South of France. Presented by F. Walker, Esq.
d. Clermont, Auvergne. Presented by F. Walker, Esq.
e. France.

LOMATIA Hecate, *Meig. Dipt.* vi. 324, 4. *Macq. Hist. Nat. Dipt.* i. 412, 4.
a. Italy ?

ANTHRAX, *Fabricius.*

Group I.

ANTHRAX stymphalis, *Wied. Auss. Zweif.* i. 252, 1. *Div.* 1, *pl.* 3, *f.* 1.
a. Brazil.

ANTHRAX Phlegethon, n. s., Div. I., *Wied.*, fem. *Picea, thorace quinque vittato, fascia pilosa antica, fasciculisque quatuor lateralibus rufis ornata, scutello ferrugineo, abdomine ciliis nigris fasciculisque albis lateralibus vario, antennis pedibusque nigris, alis piceis, cinereo uniguttatis subfulvoque vittatis, piceo uniguttatis.*

Body dark piceous, clothed with black hairs, with which gray hairs are mingled on the abdomen: head dark ferruginous on each side in front: feelers and mouth black, the former very hairy at the base: eyes dark red: chest covered with a dark brown bloom on which five stripes may be indistinctly traced, and having a band of bright red hairs on the fore border, and two tufts of the same on each side, one in front, the other behind: scutcheon very dark ferruginous: abdomen with a fringe of black hairs on each

side, and having a tuft of clear white hairs on each side of the fourth, fifth, seventh, and eighth segments: there is also a smaller tuft of whitish hairs on each side of the second segment; underside piceous, with a ferruginous tinge: legs black, clothed with black hairs and bristles: wings dark piceous, with a gray dot on the disk of each, before one-third of the length from the base, brown and having grayish tawny areolet-disks at the tip and along the hind borders for more than half the length from the tips; there is also a small round piceous spot very near the tip of each wing; wing-ribs and veins piceous, the latter black towards the tips; poisers piceous, with yellow tips. Length of the body 5 lines; of the wings 17 lines.

a. Brazil. Presented by Mrs. J. P. G. Smith.

ANTHRAX Harpyia, *Wied. Auss. Zweif.* i. 254, 3. *Div.* 1.
a. Brazil.

ANTHRAX umbrifer, n. s., Div. I,. *Wied.*, fem. *Nigra, capite antice ferrugineo, abdomine basi rufo utrinque maculato, antennis pedibusque piceis, femoribus ferrugineis, tarsis nigris, antennis fuscis apice pallidioribus basi ferrugineis.*

Body black: head and chest clothed with bright tawny hairs: head ferruginous in front: eyes, mouth, and feelers piceous: abdomen clothed with ferruginous hairs on the hind borders of the segments, and having a large red spot on each side near the base: legs piceous, clothed with short black hairs; thighs dark ferruginous; feet black: wings dark brown, slightly paler along the fore borders and at the tips, ferruginous at the hind base; wing-ribs and veins piceous; poisers tawny. Length of the body 8 lines; of the wings 20 lines.

a. Philippine Islands. From Mr. Cuming's collection.

ANTHRAX Orcus, n. s., Div. I., *Wied.*, fem. *Nigra, thoracis lateribus posticis rufo-fasciculatis, scutello ferrugineo, antennis nigris, pedibus piceis, alis cinereis, basi costaque nigro-fuscis.*

Body dull black, thinly clothed with ferruginous hairs and black bristles: feelers and mouth black: eyes dark red: scutcheon dark ferruginous: a tuft of red hairs on each side of the hind chest: legs dark piceous, beset with black bristles: wings blackish brown at the base and along the fore borders, and this colour passes into dark gray, which prevails at the tips and on the hind borders; the brown colour lingers on the cross-veins, and the gray begins on the disks of the areolets; wing-ribs and veins piceous; the latter black

towards the tips; poisers also piceous. Length of the body 6 lines; of the wings 16 lines.

a. Mexico. Presented by E. P. Coffin, Esq.

ANTHRAX Erebus, n. s., Div. I., *Wied.* *Nigra, scutello apice ferrugineo, pedibus nigris, femoribus piceis, alis nigro-fuscis cinereo vittatis, apice margineque postico cinereis.*

Head wanting: body black, clothed especially beneath with bright ferruginous hairs: scutcheon dark ferruginous along the hind border: legs black, clothed with ferruginous hairs and black bristles; thighs piceous: wings blackish brown, darkest at the base, gray at the tips and on the hind borders, and having some gray streaks on the areolets of the disks; wing-ribs, veins, and poisers piceous. Length of the body 4 lines; of the wings 12 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

ANTHRAX Cerberus, *Fabr. Ent. Syst.* iv. 256, 1. *Syst. Antl.* 118, 1. *Wied. Dipt. Exot.* i. 118, 1. *Auss. Zweif.* i. 253, 2. *Div.* 1. *Macq. Hist. Nat. Dipt.* i. 400, 1. Exoprosopa Cerberus, *Macq. Dipt. Exot.* ii. 1, 38, 6, *pl.* 16, *f.* 5.
a. Jamaica. From Mr. Gosse's collection.
b. Jamaica. Presented by E. Doubleday, Esq.

ANTHRAX Proserpina, *Wied. Auss. Zweif.* i. 257, 6. *Div.* 1. Exoprosopa Proserpina, *Macq. Dipt. Exot.* ii. 1, 38, 7.
a. Venezuela. From Mr. Dyson's collection.
b. ———?

ANTHRAX rufescens, n. s., Div. I., *Wied.* *Fusca, scutello rufo, pectore plerumque rufo, abdomine rufo-nigro univittato, pedibus rufis, tarsis piceis, alis fuscis maculis fasciaque limpidis, apice limpidis fuscoque maculatis.*

Head wanting: chest brown, thinly clothed with short red hairs, and in front and on each side with longer bright tawny hairs; scutcheon red: breast mostly red, brown here and there, clothed with red hairs: abdomen red, thinly clothed with black hairs, and having a broad black interrupted stripe along the disk; there are also some tawny hairs on each side, and more at the base and beneath which is all red: legs red, furnished with black hairs; feet piceous: wings brown, darker in some parts than elsewhere, with two colourless dots on the disk, one nearly one-third of the length, the other more than two-thirds of the length from the base; a short broad irregular colourless band occupies part of the disk from the middle to the hind border, where it nearly surrounds a small brown

spot; tip of the wing colourless, with the exception of two brown spots; veins black; poisers piceous, with tawny tips. Length of the body 6 lines; of the wings 16 lines.

a. ——— ?

ANTHRAX Mara, n. s. Div. I. *Wied.*, mas. *Fusco-nigra, abdomine cinereo-nigro, antennis pedibusque nigris, alis limpidis, basi costa fasciaque nigris.*

Body narrow, dull black, with a slight brown tinge, and clothed with very few hairs: feelers and mouth black: eyes piceous: abdomen with a slight gray tinge: legs black: wings colourless, rather long, black at the base, and irregularly along the fore borders for full half the breadth unto two-thirds of the length, where the black part ends in a broad band; wing-ribs, veins, and poisers black. Length of the body 5 lines; of the wings 16 lines.

a. Congo. Presented by Sir J. Richardson.

ANTHRAX erythrocephala, *Fabr. Syst. Antl.* 118, 4. *Wied. Dipt. Exot.* i. 120, 3. *Auss. Zweif.* i. 255, 5. *Div.* 1. Stomoxys morio, *Fabr. Ent. Syst.* iv. 393, 1. *Syst. Antl.* 279, 1. Exoprosopa erythrocephala, *Macq. Dipt. Exot.* ii. 1, 37, 5, *pl.* 16, *f.* 4; *pl.* 19, *f.* 2,

Var. 1. Spot towards the base of the wing rather large.

Var. 2. Spot towards the base of the wing very small.

Var. 3. Band of the wing composed of four spots, the hindermost of moderate size.

Var. 4. Band of the wing composed of four spots, the hindermost very small.

Var. 5. Band of the wing composed of three spots, the hindermost wanting.

Var. 6. The foremost spot of the band of moderate size.

Var. 7. The foremost spot of the band extremely small.

Var. 8. The two middle spots of the band very large, the foremost spot subdivided, and seated much nearer the tip of the wing than in other varieties.

The transverse vein at the end of the first submarginal cell is more angular in this species and in *A. Mara* than in the preceding species.

a. Brazil. Presented by Mrs. J. P. G. Smith.
b. Para. Presented by Reginald Graham, Esq.
c. Brazil. From Mrs. Noel's collection.
d. Venezuela. From Mr. Dyson's collection.
e. Brazil. From Mr. Mornay's collection.
f. South America. From Mr. Warwick's collection.
g. ——— ?

Group II.

ANTHRAX dives, n. s., Div. I., *Wied.*, mas. *Fusca, pilis aureis vestita, capite nigro, scutello ferrugineo, abdomine nigro pedibus ferrugineis, tarsis nigris, alis fuscis apice limpidis.*

Head black, with an orange tawny tuft above between the eyes, which are dark red: there are also a few tawny hairs about the mouth, which like the feelers is black: chest brown, clothed with short brown and a few long black hairs, and adorned with a fringe of orange tawny along the fore border and along each side: breast brown, having also a fringe of orange tawny hairs along the fore border, and some hairs of this colour extend into the disk and mingle with the long black hairs that clothe it; scutcheon ferruginous, beset with stout black hairs, and on the hind border with long black bristles: abdomen black above, clothed especially towards the tip with brown hairs, and adorned along each side with orange tawny hairs; these last are most thick at the base, and there they slightly extend across the back; a band of white hairs occupies nearly the whole breadth of the third segment; the tip of the abdomen and the whole of the under-side are also clothed with orange tawny hairs: legs ferruginous, clothed with short black hairs; hips, knees and feet black: wings dark brown at the base and along the fore border till near the tip, the outline of this colour is regular and very oblique, and runs nearly to the base in a line almost parallel to the hind border; rest of the wing colourless; veins black; poisers piceous. Length of the body 8 lines; of the wings 18 lines.

a. Silhet. From Mr. Stainforth's collection.
b. Silhet. From Mr. Sowerby's collection.

ANTHRAX ferrea, n. s., Div. 1., *Wied.*, fem. *Cinerea, capite fulvo, thorace cano univittato fuscoque bivittato, scutello ferrugineo, pectore rufo-fulvo, abdomine ferrugineo maculis dorsalibus nigris, pedibus piceis femoribus ferrugineis, alis fulvis fusco nebulosis, apicibus marginibusque posticis limpidis.*

Head bright tawny, and clothed with short hairs of the same colour, black beneath: eyes bright red: mouth black: feelers tawny with black tips: chest gray, clothed with tawny hairs, and having a hoary stripe along the middle, and an indistinct brown stripe on each side; scutcheon ferruginous: breast reddish tawny, clothed with tawny hairs: abdomen ferruginous, clothed with tawny hairs, and having also some yellowish white hairs towards the base, where they most abound, and form a tuft on each side; each segment, excepting the two last, with a triangular black spot on the back, these spots decrease in size from the base onwards: legs piceous, clothed with

short stout black hairs; hips and thighs ferruginous, excepting the tips of the latter: wings tawny at the base and along the fore border, and thence downwards till near the middle of the disk, where the veins are clouded with brown; tips and hind borders colourless; veins brown; poisers tawny. Length of the body 6—7 lines; of the wings 14—16 lines.

a. Albania. Presented by W. W. Saunders, Esq.
b. Albania. Presented by E. Doubleday, Esq.
c. Albania. From Mr. Walker's collection.

ANTHRAX Tantalus, *Fabr. Ent. Syst.* iv. 260, 15. *Syst. Antl.* 124, 29. *Wied. Dipt. Exot.* i. 120, 2. *Auss. Zweif.* i. 255, 4. *Div.* 1. *Macq. Hist. Nat. Dipt.* i. 401, 2. Exoprosopa Tantalus, *Macq. Dipt. Exot.* ii. 1, 37, 4.

The fifth posterior areolet (reckoning from the base of the wing) is much more oblique at its base here than in the species of the first group.

Variations in the wing-veins:—

Var. 1. The fifth posterior cell is divided at the base.

Var. 2. The fifth posterior cell is divided in the middle.

Var. 3. The second submarginal cell is subdivided by a little forked cross-vein which forms an additional areolet.

Var. 4. The second submarginal cell has three little additional cross-veins united at one end, and forming two areolets.

a. Java.
b. China. Presented by G. T. Lay, Esq.

ANTHRAX bombyliformis, *Macleay, King's Narr. Surv. Coasts of Austral.* ii. 468, 187. *Wied. Auss. Zweif.* ii. 648, 74. *Div.* 1 Ligyra bombyliformis, *Newn. Entomologist.* 220.

In one specimen there is an additional cross-vein near the tip of each wing, which thus has five submarginal areolets.

a. New Holland. Presented by the Haslar Hospital.
b. New Holland. From Mr. Lambert's collection.
c. New Holland. From Mr. Walker's collection.
d. New Holland. From Mr. Children's collection.

ANTHRAX sylvanus? *Fabr. Ent. Syst.* iv. 261, 17. *Syst. Antl.* 125, 34. *Wied. Auss. Zweif.* i. 321, 94. *Div.* 1. Bibio sylvanus, *Fabr. Syst. Ent.* 758, 12. *Mant. Ins.* ii. 329, 18.

This species has five submarginal areolets. It does not well agree with the description of Fabricius, which more probably refers to *A. bombyliformis*, Macleay.

a. New Holland. Presented by J. Hunter, Esq.

ANTHRAX funesta, n. s., Div. I., *Wied.*, mas. *Cinerea, capite ferrugineo, abdomine nigro, pedibus nigris, alis cinereis, basi marginibusque anticis fulvis.*

Head ferruginous above and in front, hoary behind, and clothed there with pale tawny or silvery down: eyes red: mouth and feelers black; first joint of the latter ferruginous: chest gray, clothed with tawny hairs, which are very thick in front and on each side; it has also a few long black bristles on each side above the base of the wing: breast gray, clothed with yellowish white hairs: abdomen black, clothed with black down, and having a fringe of short black hairs along each side; there is a thick tuft of shining yellowish white hairs on each side of the base, which is traversed by a band of similar hairs; this band is dilated on each side; there are a few white hairs on each side of the base of the third segment, and each of the three last segments has a broad interrupted band of shining white hairs; on the under-side the abdomen is clothed with white hairs from the base to the middle, and there is a broad band of the same near the tip: legs black, thinly clothed with short black hairs: wings deep gray, paler at the tips and along the hind border, bright tawny at the base and along the fore border, and slightly tinged with that colour along some veins in the disk; veins black; poisers piceous, with tawny knobs. Length of the body 8 lines; of the wings 19 lines.

It differs from *A. erythrocephala* in the upright fore side of the angle at the end of the first submarginal areolet.

a. Port Essington. Presented by the Earl of Derby.
b. New Holland. Presented by J. Hunter, Esq.
c. ——— ?

ANTHRAX imbuta, n. s. *Nigra, pectore cano, scutello ferrugineo, abdomine nigro lateribus apice subtusque ferrugineo, pedibus ferrugineis, alis flavo-fuscis.*

Allied to *A. fulvula.* Head wanting: chest dark brown, clothed with yellow hairs; scutcheon ferruginous: breast hoary, thickly clothed with yellow hairs: abdomen black, clothed with yellow hairs, ferruginous on each side, at the tip, and beneath: legs ferruginous, clothed with yellow hairs and black bristles; feet piceous: wings yellowish brown, rather long; the yellow colour prevailing most at the base, on the fore borders and along the margins of the veins; wing-ribs and veins ferruginous, the latter piceous towards the tips of the wings; poisers yellow. Length of the body 4 lines; of the wings 12 lines.

a. ——— ?

Group III.

ANTHRAX heros, *Wied. Zool. Mag.* iii. 8, 11. *Dipt. Exot.* i. 126, 10. *Auss. Zweif.* i. 265, 15, *Div.* 3, *pl.* 3, *f.* 3. Exoprosopa Heros, *Macq. Dipt. Exot.* ii. 1, 46, 26.

Variation in the wing-veins. The fifth posterior cell has a little areolet at its base.

a. Cape.

ANTHRAX Satyrus, *Fabr. Ent. Syst.* iv. 259, 13. *Wied. Auss. Zweif.* i. 322, 95, *Div.* 3. Bibio Satyrus, *Fabr. Syst. Ent.* 758, 10. *Mant. Ins.* ii. 329, 16.

a. Georgia. From Mr. Abbot's collection.

ANTHRAX ignifer, n.s., Div. I., *Wied.*, fem. *Picea, capite scutello abdomineque ferrugineis, thoracis lateribus albo subvittatis, abdomine fascia basi maculisque lateralibus albo pilosis, maculisque dorsalibus nigris, antennis pedibusque nigris, alis limpidis fusco trivittatis.*

Body dark piceous: head very dark ferruginous, somewhat paler beneath: feelers and mouth black: breast and sides and fore border of the chest clothed with red hairs: a band of white hairs around and beneath the wing-ribs interrupted towards the middle of the breast: scutcheon and abdomen dark ferruginous, the latter with a row of black spots on the back: a band of white hairs at the base and white spots on each side; the tendency of these spots to form bands may be indistinctly traced across the back; under-side thickly clothed with ferruginous hairs: legs black, pubescent: wings colourless, long, brown mingled with ferruginous colour along the fore border, and thence sending forth three broad brown bands towards the hind border; the first band at the base occupies the whole breadth of the wing; the second is oblique and irregular, and does not reach the hind border, but is joined to the first by two clouded longitudinal veins; the third is small, club-shaped and irregular, and also falls short of the hind border; wing-ribs and veins ferruginous, the latter piceous towards the tips; poisers tawny. Length of the body $7\frac{1}{2}$—8 lines; of the wings 20—21 lines.

a. Jamaica.

ANTHRAX insularis, n. s., Div. I., *Wied.* *Picea, scutello abdomineque ferrugineis, abdomine maculis dorsalibus trigonis nigris, apice albo fasciato, pedibus ferrugineis, alis fuscis, vittis sublimpidis, incisura postica, guttis duabus, apiceque limpidis.*

Head wanting: chest and breast piceous: breast and sides of the chest clothed with ferruginous hairs; scutcheon and abdomen

ferruginous, shining; the latter with a row of triangular black spots along the back, one on each segment, and successively decreasing in size from the base to the tip; penultimate segment adorned with a white band: legs dark ferruginous; feet piceous: wings dark brown, colourless at the tips, and each having a large truncate-conical slightly oblique spot extending from the hind border to a little beyond the middle of the disk; two very small colourless spots near the base of the wing, and slight traces of pale marks on the disk along the borders of some of the veins; wing-ribs and veins ferruginous along the fore border, which also has a ferruginous tinge; the other veins and the poisers are black; the lower vein of the second submarginal areolet is angular. Length of the body 7 lines; of the wings 20 lines.

a. ——— ?

ANTHRAX Lar, *Fabr. Ent. Syst.* iv. 257, 4. *Syst. Antl.* 110, 8. *Wied. Dipt. Exot.* i. 127, 12. *Auss. Zweif.* i. 268, 18, *Div.* 3.
Bibio Lar, *Fabr. Sp. Ins.* ii. 414, 10. *Mant. Ins.* ii. 329, 11.
a. Bengal.

ANTHRAX seniculus, *Wied. Auss. Zweif.* i. 270, 20, *Div.* 3.
a. South Africa. Presented by Dr. A. Smith.

ANTHRAX Dux, *Wied. Auss. Zweif.* i. 269, 19, *Div.* 3.
a. South Africa. Presented by Dr. A. Smith.

ANTHRAX stellifer, n. s. *Nigra, thoracis lateribus albido vittatis, scutello ferrugineo, abdomine macula media utrinque apiceque albis, pedibus piceis, alis nigris, guttis quatuor, apiceque limpidis.*

Head wanting: chest and breast black and thickly clothed with black hairs: a yellowish white stripe on each side of the chest, and a white tuft of hairs on each side of the scutcheon, which is ferruginous: abdomen black, with a white spot on each side at half its length; tip also white: legs piceous, pubescent: wings black, for nearly three-fourths of their length from the base, colourless thence to the tips; the black part comprises three or four little colourless spots; wing-ribs and veins black; poisers piceous. Length of the body 7 lines; of the wings 18 lines.

a. New Holland. Presented by the Haslar Hospital.
b. West Australia. From Mr. Clifton's collection.

ANTHRAX caffra, *Wied. Dipt. Exot.* i. 131, 17. *Auss. Zweif.* i. 275, 27, *Div.* 3.
a. South Africa. Presented by Dr. A. Smith.

ANTHRAX Meigenii, *Wied. Auss. Zweif.* i. 278, 31, *Div.* 3.
a. ——— ?

ANTHRAX rufa, *Wied. Zool. Mag.* ii. 41. *Dipt. Exot.* i. 140, 31. *Auss. Zweif.* i. 291, 49, *Div.* 5.
a. South Africa. Presented by Dr. A. Smith.

ANTHRAX capensis, *Wied. Dipt. Exot.* i. 133, 20. *Auss. Zweif.* i. 279, 32, *Div.* 3. Exoprosopa capensis, *Macq. Dipt. Exot.* ii. 1, 48, 31.
a. South Africa. Presented by Dr. A. Smith.

ANTHRAX Hessii, *Wied. Zool. Mag.* ii. 2, 40. *Dipt. Exot.* i. 139, 29. *Auss. Zweif.* i. 289, 45, *Div.* 5.
a. South Africa. Presented by Dr. A. Smith.

ANTHRAX maculipennis, *Macq. Dipt. Exot.* ii. 1, 56, 4.
a. South Africa. Presented by Dr. A. Smith.

ANTHRAX umbra, n. s., Div. III., *Wied.*, fem. *Nigra, canescens, antennis nigris, pedibus piceis, alis cinereis, basi costâque fuscis, venis nonnullis transversis fusco nebulosis.*

Body dull black, covered with a hoary bloom, and clothed with gray-black and hoary hairs: feelers black, covered with gray down: eyes, mouth and legs piceous, the latter clothed with black hairs: wings dark gray, dark brown at the base and along the fore borders till near the tips, and especially on the margins of some of the cross-veins; wing-ribs and veins piceous, the latter black towards the tips; poisers tawny. Length of the body 6 lines; of the wings 16 lines.

a. ——— ? Presented by Captain Lord Byron.

ANTHRAX tegminipennis, *Say, Long's Exped. to St. Peter's River, App.* 371, 2. *Wied. Auss. Zweif.* i. 289, 46, *Div.* 5.
a. Nova Scotia. Presented by F. Walker, Esq.

ANTHRAX marginicollis, *G. R. Gray, Griff. transl. Cuv. Anim. Kingd.* xxxv. *Ins.* 2, *pl.* 125, *f.* 6. *Div.* 3, *Wied.*
a. ——— ?

ANTHRAX undans, n. s. *Nigra, thorace flavo ciliato fulvoque quinquevittato, scutello, pectore, abdominis ventre fasciisque dorsalibus ferrugineis, abdomine pilis albis fasciato, lateribus rufescentibus, pedibus ferrugineis, tibiis anticis tarsisque piceis, alis limpidis vittâ undante fusca, costa flavo-fusca, vittisque sublimpidis varia.*

Head wanting: chest black, thinly clothed with yellow hairs, and having a thick fringe of the same in front and along the sides above the base of the wings; it is adorned with five tawny stripes, of which the middle one is shortened in front; scutcheon ferruginous: abdomen black, ferruginous and with a band of ferruginous hairs on the hind border of each segment, which has also a band of white hairs towards its fore border, and is reddish on each side: breast and under-side of abdomen ferruginous and clothed with yellow hairs: legs ferruginous; feet and fore shanks piceous: wings colourless, yellowish brown along the fore borders for almost three-fourths of the length; this colour includes some almost limpid streaks, and descends slightly into the disk of the wing by some of the veins; the latter join it to a rather darker serpentine mark, which borders the veins nearer to the hind border; wing-ribs and veins ferruginous; the latter piceous towards the tips; poisers tawny. Length of the body 7 lines; of the wings 16 lines.

a. ——— ?

ANTHRAX Alexon, n. s. *Ferruginea, capite thoracisque disco piceis, abdomine pilis albis fulvis piceisque vittato, antennis fulvis, pedibus ferrugineis, tarsis piceis, alis cinereo-fuscis, apicibus marginibusque posticis subcinereis fusco trimaculatis.*

Body ferruginous: head and chest piceous: head thickly covered with ferruginous down: eyes very dark red: feelers tawny: chest clothed with tawny hairs: breast with longer pale yellow hairs: scutcheon ferruginous: back of the abdomen clothed with tawny and white hairs, and along the hind borders of the segments with piceous hairs, and thereby banded: under-side rather paler and clothed with white hairs: legs ferruginous; thighs and shanks clothed with very short pale yellow hairs, and beset with black bristles; feet piceous, clothed beneath with short black bristles: wings brown, which colour passes into brownish gray towards the hind border near the base, and the disks of some of the areolets in the middle of the wing are also gray; the brown has likewise a very oblique branch, which becomes gray and irregular as it approaches the hind border, which, like the tips of the wings, is gray, with the following exceptions; a brown spot on the first, and sometimes ano-

ther on the second of the longitudinal veins, where their upward curve approaches the fore border; two brown spots on the cross-veins near the tip, one of them mostly on the brown part, from which it is distinguished by its darker colour; wing-ribs and veins ferruginous; poisers tawny. Length of the body 5 lines; of the wings 13 lines.

a. East Indies. From Archdeacon Clerk's collection.

Group IV., *Wied. Auss. Zweif. pl.* 3, *f.* 4.

ANTHRAX Pygmalion, *Fabr. Syst. Antl.* 124, 30. *Wied. Dipt. Exot.* i. 137, 26. *Auss. Zweif.* i. 285, 40. *Macq. Hist. Nat. Dipt.* i. 401, 3. Exoprosopa varinervis, *Macq. Dipt. Exot.* ii. 1, 41, 13, *pl.* 17, *f.* 8.

a. Tunis. From Mr. Fraser's collection.

Variation in the wing-veins.—The fifth areolet on the hind border, reckoning from the base of the wing, contains one lesser areolet in one wing, and two in the other.

Group. V.

ANTHRAX apicalis, *Wied. Dipt. Exot.* i. 126, 11. *Auss. Zweif.* i. 266, 16, *Div.* 3.

a. Cape.

ANTHRAX pennipes, *Wied. Dipt. Exot.* i. 129, 14. *Auss. Zweif.* i. 272, 23, *Div.* 3. Exoprosopa pennipes, *Macq. Dipt. Exot.* ii. 1, 49, 33.

a. ——— ?

Group VI.

ANTHRAX collaris, *Wied. Auss. Zweif.* i. 271, 21. A. ruficollis, var. *Saunders, Trans. Ent. Soc. Lond.* iii. 59, *pl.* 5, *f.* 5.

The specimen here described agrees more with the characters of *A. collaris* than with those of *A. ruficollis.*

Fem.—*Nigra, ciliis lateralibus nigris, capite pectoreque piceis, thorace pilis rufis anticè fasciato et utrinque fasciculato, abdominis segmento* 3⁰ *albo utrinque fasciculato, antennis pedibusque nigris, alis nigro-fuscis, incisurâ maculâ vittâque limpidis, apicem versus ferrugineo-fuscis.*

Body black, with a few short gray hairs on the back: head piceous, with a slight gray bloom in front and behind: mouth ferru-

ginous; sucker and feelers black: eyes red: chest adorned in front with a band of bright red hairs, and having a tuft of the same on each side: breast piceous, with a hoary bloom: a fringe of black hairs on each side of the chest and of the abdomen; the back of the latter adorned with a tuft of white hairs on each side of the third segment: legs black, clothed with black hairs and bristles: wings blackish brown, with a colourless space on the middle of the hind border, of whose length it occupies about one-third, and extends upward in a short-conical form to more than two-thirds of the breadth of the wing; there is a small colourless spot at a short distance from the tip of this space towards the base of the wing, still nearer to which there is a small colourless streak along one of the veins, and the neighbouring part of the wing has a ferruginous tinge; wing-ribs and veins piceous, the latter black towards the tips; poisers black, with piceous tips. Length of the body 6 lines; of the wings 14 lines.

a. Madras. Presented by Walter Elliott, Esq.

Group VII.

ANTHRAX basifascia, n. s., Div. III., *Wied.* *Nigra, capite fulvo, scutello pectoreque ferrugineis, abdomine piceo ciliis flavis fasciato, antennis pedibusque nigris, femoribus piceis, alis subcinereis, basi costâ venarumque lateribus fulvis.*

Head tawny and clothed with tawny hairs: mouth black: eyes piceous: feelers black, ferruginous at the base: chest piceous, clothed with tawny hairs, which form a fringe along the fore border and on each side: scutcheon and breast ferruginous, the latter clothed with tawny hairs: abdomen dark piceous, with a fringe of pale yellow hairs on the fore border of each segment, and more completely clothed on the under-side: legs black; thighs piceous: wings slightly gray, tawny at the base and on the fore borders, and along the margins of the veins; wing-ribs and veins ferruginous, the latter piceous towards the tips; poisers tawny. Length of the body 8 lines; of the wings 18 lines.

a. North Bengal. From Miss Campbell's collection.

ANTHRAX hetrusca, *Fabr. Ent. Syst.* iv. 257, 3. *Syst. Antl.* 119, 7. *Meig. Dipt.* ii. 151, 15.
a. Frejus. From Mr. Walker's collection.

ANTHRAX lutea. Exoprosopa lutea, *Macq. Dipt. Exot.* ii. 1, 40, 12, *pl.* 17, *f.* 11.
a. Spain. From Dr. Leach's collection.

ANTHRAX pictipennis, *Wied. Auss. Zweif.* i. 302, 65, *Div.* 5.
a. South Africa. Presented by Dr. A. Smith.

ANTHRAX diffusa, *Wied. Anal. Entom.* 23, 14. *Auss. Zweif.* i. 291, 48, *Div.* 5.
a. South Africa. Presented by Dr. A. Smith.

ANTHRAX Iacchus, *Fabr. Syst. Antl.* 123, 21. *Meig. Dipt.* ii. 162, 32, vi. 325. *Macq. Hist. Nat. Dipt.* i. 408, 29. *Gim. Bull. Soc. Imp. Nat. Mosc.* 1847, 1, 215, 14. A. Pandora, *Fabr. Syst. Antl.* 121, 10. *Meig. Dipt.* ii. 170, 44, *pl.* 17, *f.* 12. *Curt. Brit. Ent. 2nd. edit.* ix. 5. A. Megæra, *Hoffmansegg, Meig. Dipt.* ii. 172, 47. A. italica, *Rossi, Meig. Dipt.* ii. 171, 46. A. picta, *Wied. Meig. Dipt.* ii. 171, 45, *pl.* 17, *f.* 23, vii. 65. Exoprosopa Pandora, *Macq. Dipt. Exot.* ii. 1, 39, 9.
a. South of France. Presented by F. Walker, Esq.
b. Albania. Presented by W. W. Saunders, Esq.
c. Albania. From Mr. Walker's collection.
d. Tunis. From Mr. Fraser's collection.

ANTHRAX capucina, *Fabr. Ent. Syst.* iv. 259, 12. *Syst. Antl.* 123, 23. *Meig. Dipt.* ii. 173, 48, vii. 65. *Macq. Hist. Nat. Dipt.* i. 409, 30. *Loew, Prog.* 1840, 13. *Gim. Bull. Soc. Imp. Nat. Mosc.* 1847, 1, 215, 15. Bibio capucina, *Fabr. Sp. Ins.* ii. 425, 14.
a. France.

ANTHRAX subfascia, n. s., mas. *Nigra, pectore cano, scutelli abdominisque lateribus ferrugineis, ventre ferrugineo ciliis albis ornato, antennis fulvis, pedibus piceis, alis cinereis, basi costâque nigro-fuscis.*

Body black: head clothed with tawny hairs, which abound most in front: mouth tawny; sucker black: feelers tawny: eyes red: chest clothed with tawny hairs; breast hoary and clothed with pale yellow hairs; scutcheon ferruginous: abdomen ferruginous on each side and beneath, its back clothed with tawny hairs, its underside adorned with fringes of whitish hairs, which cover the whole of the two last segments: legs piceous, beset with black bristles; thighs also clothed with tawny hairs beneath: wings gray, blackish brown at the base and on the fore borders till near the tips; the brown, as usual when it blends with the gray, disappears first on the disks of the areolets; wing-ribs and veins piceous, the latter black towards the tips; poisers ferruginous, with yellowish white knobs. Length of the body 6 lines; of the wings 14 lines.

a. Jamaica. From Mr. Gosse's collection.

ANTHRAX trimacula, n. s. *Niger, capite fulvo, scutello ferrugineo, abdomine ferrugineo nigro univittato, pedibus ferrugineis, tarsis nigris, alis cinereis fusco trimaculatis, marginibus anticis ferrugineis.*

Head tawny in front and beset with short black bristles: feelers black; first and second joints ferruginous; sucker piceous; palpi ferruginous: eyes piceous: chest and breast black, their sides adorned with long yellow hairs; scutcheon ferruginous: abdomen ferruginous, clothed with tawny hairs, and having also a row of short black bristles along the hind border of each segment; the black stripe on its back is broad at the base, but quickly decreases in width before the two last segments: legs ferruginous, beset with black bristles; feet black: wings gray, darker towards the fore border, which is ferruginous, and each having three dark brown spots on the cross-veins of the disk; veins black; poisers tawny. Length of the body 4 lines; of the wings 12 lines.

a. Jamaica. From Mr. Gosse's collection.

ANTHRAX emarginata. Exoprosopa emarginata, *Macq. Dipt. Exot.* ii. 1, 51, 40.

a. Massachusetts. From Prof. Sheppard's collection.

b. Georgia. From Mr. Abbot's collection.

ANTHRAX fasciata. Exoprosopa fasciata, *Macq. Dipt. Exot.* ii. 1, 51, 38, *pl.* 17, *f.* 6.

a. Georgia. From Mr. Abbot's collection.

ANTHRAX indecisa, n. s. *Nigra, flavo-hirta, subtus cano alboque hirta, antennis pedibusque nigris, alis subcinereis, anticè fuscis.*

Body black, clothed with yellow hairs, hoary and clothed with white hairs beneath: feelers, mouth and legs black; thighs hoary: wings slightly gray, brown along the fore border for about half the length; wing-ribs and fore border veins piceous; the other veins and the poisers black. Length of the body $3\frac{1}{2}$ lines; of the wings 9 lines.

a. South Africa. Presented by Dr. A. Smith.

ANTHRAX singularis. Exoprosopa singularis, *Macq. Dipt. Exot.* ii. 1, 41, 15, *pl.* 17, *f.* 3, var. β.?

a. Africa?

ANTHRAX NOX, n. s. *Nigra, antennis pedibusque nigris, alis nigris maculis nonnullis fulvis, apice albis.*

Body rather narrow, black, and clothed with black hairs: feelers, mouth, and legs also black: eyes dark red: wings long, black,

white at the tips, fringed on the hind borders near the base; the black part includes some small, more or less, distinct tawny marks on the borders of the cross-veins; wing-ribs and veins black; poisers piceous. Length of the body 4 lines; of the wings 12 lines.

a. South Africa. Presented by Dr. A. Smith.

ANTHRAX vitriecosta, n. s. *Nigra, thorace antico pilis flavis fasciato, pedibus nigris, coxis femoribusque piceis, alis limpidis.*

Head wanting: body rather narrow, black, shining, thinly clothed with very short white hairs: front of the chest with a thick band of pale yellow hairs: legs black, and clothed with black hairs; hips and thighs piceous: wings colourless; wing-ribs and veins tawny; fore border veins slightly clouded with yellow; poisers yellow. Length of the body 4½ lines; of the wings 9 lines.

a. ——— ?

ANTHRAX suffusa, n. s., fem. *Picea, scutello ferrugineo, abdomine subtus fulvo, pedibus fulvis, alis cinereis, basi costaque fuscis fuscoque septem-maculatis.*

Body piceous: head covered with a few yellow hairs, hoary and thinly clothed with white hairs behind: eyes bronze-colour: chest thinly clothed with pale yellow hairs, and having a few black bristles behind and on each side; scutcheon dark ferruginous; breast covered with a hoary bloom and thinly clothed with white hairs: abdomen covered with white down and yellow hairs, and having a thin fringe of black hairs on each side; under-side tawny, piceous at the base, with the exception of the hind borders of the segments: legs tawny, thinly beset with black hairs and bristles; hips and tips of feet piceous; thighs with a slight hoary bloom: wings brown at the base and along the fore borders till near the tips and for more than half the breadth, with darker marks on the borders of the cross-veins; the other part is gray, which colour may also be traced on the disks of some of the areolets on the border of the brown part, there are seven brown spots on the gray, two of them at the tip, and five along the hind border of the wing; wing-ribs and veins piceous, the latter black towards the tips; poisers tawny. Length of the body 3 lines; of the wings 7 lines.

a. ——— ?

ANTHRAX Simson, *Fabr. Syst. Antl.* 110, 5. *Wied. Dipt. Exot.* i. 122, 6. *Auss. Zweif.* i. 259, 9, *Div.* 2, *pl.* 3, *f.* 2. *Macq. Dipt. Exot.* ii. 1, 59, 11. Nemotelus tigrinus, *Deg. Ins. t.* 29, *f.* 11. Anthrax scripta, *Say, Journ. Acad. Phil.* 1822, 43, 3.

a. Delaware. Presented by E. Doubleday, Esq.

b. New York.

ANTHRAX conspurcata, *Wied. Auss. Zweif.* i. 264, 14, *Div.* 2.
a. Cape?

ANTHRAX Pithecius? *Fabr. Syst. Antl.* 122, 14. *Wied. Dipt. Exot.* i. 125, 9. *Auss. Zweif.* i. 263, 13, *Div.* 2.
a. ——— ? From Mr. Children's collection.

ANTHRAX Terminus, n. s., Div. I. *Nigra, pectore cano, abdomine pilis albis fasciato apiceque fasciculis argenteis ornato, antennis nigris, pedibus ferrugineis, alis limpidis, basi fulvis maculis una fulva duabusque limpidis, medio maculis gregariis fuscis, apice fusco quadrimaculatis.*

Body black, clothed with tawny hairs and black bristles: head hoary behind: eyes red: mouth and feelers black: breast hoary: abdomen with a slight band of white hairs on the fore border of each segment, excepting the base, and with a tuft of brilliant silvery hairs on each side at the tip: legs ferruginous, clothed with black bristles: wings colourless, tawny at the base and along the fore borders, dark brown next to the base, with one tawny and two colourless spots; the outline of this brown colour is irregular, and composed of half isolated spots; then after a colourless interval comes a dark brown band composed of a cluster of spots, and more or less irregular and variable in size, according as the spots are compact or scattered; at the tip of the wing there are four dark brown spots, the largest one on the fore border, is in some instances, joined to the above-mentioned band; wing-ribs and veins black, the latter piceous at the base and along the fore borders; poisers piceous. Length of the body 6 lines; of the wings 14 lines.

a. South Africa. Presented by Dr. A. Smith.

ANTHRAX Diana, n. s., Div. II., *Wied.* *Nigra, ciliis fasciculisque albis ornata, abdominis apice niveo, pedibus piceis, femoribus nigris, alis basi nigro-fuscis maculisque limpidis fulvisque ornatis, apice subcinereis maculis septem fuscis.*

Body black, and clothed with black hairs: head wanting: a fringe of white hairs on the fore border of the chest, and a tuft of white hairs on each side of the base of the abdomen; the latter has also some incomplete and very slender bands of white hairs on the fore borders of the segments, and its tip is clothed with brilliant snow-white hairs: legs piceous, beset with black bristles; hips and thighs black: wings blackish brown, pale gray at the tips and along the hind borders for more than half the length from the tips; this dark part contains several small colourless and tawny spots, and the latter are chiefly on the cross-veins; its outline is very irregular, being composed of clustering spots, and the gray part is adorned

with five small blackish brown spots; wing-ribs and veins piceous; poisers tawny. Length of the body 4 lines; of the wings 12 lines.

a. ——— ? From Mr. Clifton's collection.

ANTHRAX Punctum, n. s. *Nigra, pilis albis nigrisque ornata, pedibus nigris, tibiis ferrugineis, alis limpidis fusco maculatis et bifasciatis necnon maculis nonnullis limpidis.*

Head wanting: chest black, clothed on each side with a fringe of mingled black and white hairs: abdomen black, its sides adorned with black and white hairs, in which the latter colour prevails at the base, and is succeeded by the former, which it replaces nearer the tip where the hairs are again black: the legs are black; the shanks are ferruginous: the wings are dark tawny at the base, and to this hue succeeds a brown space which contains several colourless dots of various sizes, those along the fore border are arranged in order, and have a regular subquadrate shape; then comes a colourless interval which has a few brown spots interspersed; next this is a large brown patch, with a few colourless dots; it does not reach the hind border nor the tip, but these are adorned with brown spots of various size; fore border of the wing, especially at the base, fringed with short stout black hairs; veins piceous; poisers brown, with white tips. Length of the body 4 lines; of the wings 12 lines.

a. Brazil. From Mrs. Noel's collection.

ANTHRAX Œdipus, *Fabr. Syst. Antl.* 123, 22. *Wied. Dipt. Exot.* i. 124, 8. *Auss. Zweif.* i. 262, 12. *Div.* 2. A. irrorata, *Say. Journ. Acad. Philad.* 1822, 46, 6.

a. Nova Scotia. From Lieut. Redman's collection.

Group VIII.

ANTHRAX distigma, *Wied. Auss. Zweif.* i. 309, 74. *Div.* 5. *Macq. Dipt. Exot.* ii. 1, 58, 9.

a. North Bengal. From Miss Campbell's collection.

ANTHRAX incompta, n. s. *Nigra, fasciculis quatuor albis ornata, abdomine apice niveo, pedibus nigris, alis subcinereis basi costaque nigro-fuscis maculisque tribus fuscis.*

Body black, covered with a gray bloom, and clothed with black bristles and gray hairs: head wanting: a fringe of white hairs on the fore border of the chest, and a tuft of the same on each side of the base of the abdomen; the latter has a fringe of brilliant white hairs on each side towards its tip, which is also adorned with

them; legs black, beset with black hairs and bristles: wings pale gray, blackish brown at the base, and for three-fourths of the length along the fore border, and for one-fourth of the length along the hind border; the outline of the dark part is irregular, and there is a spot on its outskirts; the gray part contains three dark spots on as many cross-veins; wing-ribs and veins black; poisers tawny, with a piceous spot on the knob. Length of the body $3\frac{1}{2}$ lines; of the wings 10 lines.

a. West Australia. From Mr. Clifton's collection.

ANTHRAX semimacula, n. s., fem. *Nigra, abdominis segmentis fulvo fasciatis, pedibus piceis, alis fuscis cinereo maculatis et vittatis, apice subcinereis fusco bimaculatis.*

Body black: head clothed with black and yellow hairs: eyes dark red: mouth piceous: feelers black: chest clothed with long black hairs, and having a fringe of tawny hairs along the fore border: abdomen also clothed with long black hairs, and adorned with a small patch of white hairs on each side of the base; hind borders of the segments tawny: legs piceous, thinly clothed with black hairs: wings brown at the base, and along the fore border for full two-thirds of their length; this colour includes a few gray spots and stripes, its outline is very irregular and oblique, and in one part is dilated into a nearly separate spot; the rest of the wing including most of the hind border is slightly gray, with the exception of two brown spots on the disk; veins black; poisers tawny. Length of the body $3\frac{1}{2}$ lines; of the wings 10 lines.

a. New Holland. Presented by the Haslar Hospital.

ANTHRAX bimacula, n. s., fem. *Nigra, pilis albis et nigris varia, pedibus nigris, alis fuscis, apice oblique limpidis, fusco maculatis et vittatis.*

Body black: head clothed with black hairs: eyes dark red: feelers and mouth black: chest, breast and abdomen clothed with black and white hairs: abdomen overspread with a gray bloom, and having on each side a thick patch of white hairs at the base and another near the tip; the latter hairs are dilated towards their tips: legs black, beset with black hairs and bristles; feet clothed beneath with tawny down: wings dark brown from the middle to the base; the line between this hue and the colourless part is irregular and oblique; there are two brown spots on each wing, one on the dark part, the other on a cross-vein nearer the tip, and beneath there is a narrow brown line along another cross-vein; veins black; poisers

piceous, with yellow tips. Length of the body 3½ lines; of the wings 10 lines.

a. China. Presented by G. T. Lay, Esq.

ANTHRAX morio, *Fabr. Ent. Syst.* iv. 257, 5. *Syst. Antl.* 120, 9. *Latr. Gen. Crust.* iv. 210. *Stew. El.* 257. *Lam. Anim. sans Verteb.* iii. 410, 1. Musca morio, *Linn. Faun. Suec.* 1784. *Gmel. Ed. Syst. Nat.* v. 2830, 9. Musca &c., *Geoff. Ins.* ii. 493, 2. Bibio morio, *Fabr. Sp. Ins.* ii. 414, 11. Nemotelus morio, *Deg. Ins.* vi. 78, 14, *pl.* 11, *f.* 13. Bibio Anthrax, *Schrank. Faun. Boic.* iii. 2367. Musca Anthrax, *Schrank. Ins. Austr.* 893. Bombylius morio, *Turt.* iii. 685. Anthrax sinuata, *Fall. Dipt. Suec. Anthrac.* 6, 1. *Meig. Dipt.* ii. 159, 28, *pl.* 17, *f.* 5. *Macq. Hist. Nat. Dipt.* i. 406, 20, *pl.* 10, *f.* 4. *Zeller, Isis*, 1840, 31, 6. *Zett. Dipt. Scand.* i. 199, 6. *Gim. Bull. Soc. Imp. Nat. Mosc.* 1847, 1, 213, 10.

a. France.
b. Switzerland. Presented by F. Walker, Esq.
c. South of France. Presented by the Entomological Club.
d. South of France. Presented by F. Walker, Esq.

ANTHRAX fenestrata, *Fall. Dipt. Suec. Anthrac.* 8, 4. *Meig. Dipt.* ii. 169, 43, *pl.* 17, *f.* 24. *Macq. Hist. Nat. Dipt.* i. 408, 27. *Zeller, Isis*, 1840, 32, 8. *Zett. Dipt. Suec.* i. 199, 7. *Gim. Bull. Soc. Imp. Nat. Mosc.* 1847, 1, 214, 12. Asilus morio, *Linn. Faun. Suec.* 1917. Anthrax nigrita, var. italica, *Fabr. Museum.* Musca maura, *Herbst, Gem. Nat. Thierr.* viii. 104. Anthrax maurus, *Meig. Klass. Zweif.* i. 204, 9. *Lam. Anim. sans Verteb.* iii. 410, 2. A. ornata, *Hoffmansegg, Curt. Brit. Ent.* 1, 9.

a. England. Presented by J. C. Dale, Esq.
b. France.
c. South of France. Presented by the Entomological Club.
d. South of France. Presented by F. Walker, Esq.

ANTHRAX Germari, *Wied. Meig. Dipt.* ii. 175, 51.
a. ——— ?

ANTHRAX varia, *Fabr. Ent. Syst.* iv. 259, 10. *Syst. Antl.* 122, 18. *Meig. Dipt.* ii. 163, 33, *pl.* 17, *f.* 10. *Macq. Hist. Nat. Dipt.* i. 407, 23. *Zett. Dipt. Scand.* i. 201, 9. *Gim. Bull. Soc. Imp. Nat. Mosc.* 1847, 1, 214, 11.

a. South of France. Presented by the Entomological Club.

Group IX.

ANTHRAX semiatra, *Hoffmansegg*, *Meig. Dipt.* ii. 157, 25, *pl.* 17, *f.* 14 *Macq. Hist. Nat. Dipt.* i. 405, 18. *Loew*, *Prog.* 1840, 12. Musca Morio, *Linn. Syst. Nat. edit.* xii. 981, 9. *Berk. Syn.* i. 163. *Stew. El.* 256. *Schæff. Icon. t.* 76, *f.* 3. *Herbst*, *Gem. Nat. Thierr.* viii. 103, *pl.* 339, *f.* 1. *Schrank. Ins. Austr.* 892. Bibio Morio, *Schrank. Faun. Boic.* iii. 2368. Anthrax Morio, *Latr. Gen. Crust.* iv. 209. *Fall. Dipt. Suec. Anthrac.* 7, 2. *Panz. Faun. Germ.* xxxii. 18. *Meig. Klass. Zweif.* i. 202, 6. *Zeller*, *Isis*, 1840, 31, 5. *Zett. Dipt. Scand.* i. 198, 4. *Gim. Bull. Soc. Imp. Nat. Mosc.* 1847, 1, 213, 9.

a. France.
b. South of France. Presented by the Entomological Club.
c. South of France. Presented by F. Walker, Esq.
d. France. Presented by E. Newman, Esq.

ANTHRAX mutua, n. s., fem. *Fusca, capite ferrugineo bivittato, thorace fascia antica vittisque lateralibus albo pilosis, abdominis dorso utrinque vittâ brevi alba pilosa, antennis nigris basi ferrugineis, pedibus nigris, alis limpidis basi costaque fuscis cinereoque uniguttatis.*

Body dark brown, clothed with black hairs: head with two ferruginous stripes in front: feelers and sucker black, the former ferruginous at the base: eyes dark red: chest with a band of whitish hairs in front, and a stripe of the same on each side: breast clothed with yellow hairs: back of the abdomen with a short band of whitish hairs on each side: legs black, clothed with black hairs and bristles: wings colourless, dark brown at the base and along the fore border for three-fourths of the length; the dark part occupies about half the surface of the wing, includes a small round gray spot, and its border presents four angles, and is very oblique: wing-ribs and veins piceous, the latter black towards the tips of the wings; poisers piceous (?). Length of the body 5 lines; of the wings 10 lines.

Nearly allied to A. Gayi, *Macq. Dipt. Exot.* ii. 1, 66, 29, *pl.* 21, *f.* 5.

a. Chili. From Mr. Cuming's collection.

ANTHRAX morioides (var.?), *Say*, *Journ. Acad. Phil.* iii. 1822, 42, 1. *Wied. Auss. Zweif.* i. 309, 75.

a. ——— ?

ANTHRAX fascipennis, *Say*, *Long's Exped. to St. Peter's River*, *App.* 373, 4. *Wied. Auss. Zweif.* i. 284, 39. A. Georgica? *Macq. Hist. Nat. Dipt.* i. 406, 19.
a. Florida. Presented by E. Doubleday, Esq.
b. Nova Scotia. Presented by F. Walker, Esq.
c. Nova Scotia. From Lieut. Redman's collection.

ANTHRAX analis, *Say*, *Journ. Acad. Phil.* iii. 1822, 45, 4. *Wied. Auss. Zweif.* i. 313, 80. *Macq. Dipt. Exot.* ii. 1, 67, 32.
a. Nova Scotia. From Lieut. Redman's collection.
b. North America. Presented by H. Jones, Esq.
c. ——— ?

ANTHRAX Gideon, *Fabr. Syst. Antl.* 125, 27. *Wied. Auss. Zweif.* i. 311, 79, *Div.* 5. *Macq. Dipt. Exot.* ii. 1, 64, 25.
a. (Var. ? abdomen all black). Jamaica. From Mr. Gosse's collection.

ANTHRAX primitiva, n. s. *Nigra, pilis albis nigrisque vestita, antennis ferrugineis, pedibus nigris, alis subcinereis basi fuscis.*

Body black: head clothed with a few short pale tawny hairs: eyes piceous: feelers ferruginous, black towards the base: mouth clothed on each side with black hairs: sucker piceous, with a yellow band: palpi tawny: chest thinly clothed with black down, and adorned with fringes of white hairs on each side; this fringe is bordered by a few black and tawny hairs: abdomen clothed on each side and at the tip with long black and short white hairs: legs black, beset with black hairs and bristles: wings brown from the base to the middle; the other half is slightly gray, and the boundary line between the two colours is zigzag and very oblique; veins black; poisers tawny, with yellow knobs. Length of the body $4\frac{1}{2}$ lines; of the wings 10 lines.

a. Galapagos. Presented by C. Darwin, Esq.

ANTHRAX dimidiata, *Wied. Zool. Mag.* iii. 46, 7. *Dipt. Exot.* i. 148, 44. *Auss. Zweif.* i. 311, 78, *Div.* 5.
a. Brazil. Presented by Mrs. J. P. G. Smith.

ANTHRAX fulvo-hirta, *Wied. Dipt. Exot.* i. 149, 46. *Auss. Zweif.* i. 308, 73. *Macq. Dipt. Exot.* ii. 1, 69. A. cypris, *Meig. Dipt.* ii. 158, 26, *t.* 17, *f.* 11.
a. Georgia. From Mr. Abbot's collection.

ANTHRAX leucostoma, *Wied. Dipt. Exot.* i. 146, 41. *Auss. Zweif.* i. 301, 63, *Div.* 5.
a. South Africa. Presented by Dr. A. Smith.

ANTHRAX semialba, *Wied. Zool. Mag.* ii. *Dipt. Exot.* i. 130, 16. *Auss. Zwief.* i. 274, 26, *Div.* 3.
a. ——— ?

ANTHRAX velutina, *Hoffmansegg, Meig. Dipt.* ii. 160, 29, *pl.* 17, *f.* 19. *Macq. Hist. Nat. Dipt.* i. 406, 21. A. holosericeus, *Meig. Klass. Zweif.* i. 202, 7. *Schell. Gen. Mouch. t.* 32, *f.* 3.
a. France.
b. South of France. Presented by F. Walker, Esq.

ANTHRAX fimbriata, *Meig. Klass. Zweif.* i. 205, 11. *Dipt.* ii. 154, 21, *pl.* 17, *f.* 13. *Macq. Hist. Nat. Dipt.* i. 405, 16. *Loew. Prog.* 1840, 13. *Zeller, Isis*, 1840, 30. *Gim. Bull. Soc. Imp. Nat. Mosc.* 1847, 1, 211, 6. Anthrax afra, *Fabr. Ent. Syst.* iv. 258, 7. *Syst. Antl.* 122, 15. *Latr. Gen. Crust.* iv. 310.
a. France.
b. South of France. Presented by the Entomological Club.
c. South of France. Presented by F. Walker, Esq.

ANTHRAX maura, *Fabr. Ent. Syst.* iv. 258, 6. *Syst. Antl.* 121, 12. *Fall. Dipt. Suec. Anthrac.* 7, 3. *Panz. Faun. Germ.* xxxii. 19. Musca maura, *Linn. Syst. Nat.* ii. 981. *Faun. Suec.* 1785. *Gmel. Ed. Syst. Nat.* v. 2831, 11. *Schell. Gen. Mouch. pl.* 32, *f.* 2. *Stew. El.* 256. Bibio maura, *Fabr. Sp. Ins.* ii. 414, 12. Nemotelus maura, *Deg. Ins.* vi. 77, 13, *t.* 11, *f.* 11, 12. Bombylius maurus, *Turt.* iii. 685. Anthrax bifasciata, *Meig. Klass. Zweif.* i. 209, *a. Dipt.* ii. 156, 24, *pl.* 17, *f.* 15. *Macq. Hist. Nat. Dipt.* i. 405, 17. A. Dæmon, *Panz. Faun. Germ.* xlv. 16.
a. South of France.

Group X.

ANTHRAX vestita, n. s. *Nigra, pilis flavis fulvis nigrisque densissime vestita, pedibus nigris, femoribus subtus basique fulvis, alis subfusco-cinereis.*

Body black, very broad, resembling that of a Bombylius: head clothed with short tawny and long black hairs, the latter are most numerous, especially towards the mouth, which is piceous: feelers black: eyes nearly black: chest most thickly clothed with yellow hairs, which extend over the sides of the breast; the disk of the latter has an equally thick covering of black hairs: abdomen thickly clothed with yellow hairs, and having a large patch of bright tawny hairs near the tip, which like the disk of the under-side

is clothed with thick black hairs: legs black, clothed with short black hairs, and beset with longer black spines; thighs tawny beneath and towards the base above where they have tawny hairs: wings slightly brownish gray; the base and the fore border are dark brown, which colour ceases before the tip of the wing; its hinder outline is irregular, and dissolves into the gray of the wing; veins piceous; poisers brown, with yellow knobs. Length of the body 6 lines; of the wings 14 lines.

a. Nova Scotia. Presented by the Entomological Club.
b. Nova Scotia. From Lieut. Redman's collection.

ANTHRAX fulviana, *Say, Long's Exped. to St. Peter's River. Apv.* 372, 3. *Wied. Auss. Zweif.* i. 290, 47.
a. Nova Scotia. From Lieut. Redman's collection.
b. Nova Scotia. Presented by F. Walker, Esq.

ANTHRAX alternata, *Say, Journ. Acad. Philad.* 1822, 45, 5. *Wied. Auss. Zweif.* i. 303, 66.
a. New York. Presented by E. Doubleday, Esq.
b. ——— ? From Mr. Children's collection.

ANTHRAX resurgens, n. s. *Nigra, abdomine maculis quatuor ferrugineis, subtus fulvo, pedibus fulvis, genubus tarsisque piceis, alis limpidis, ad costam flavo-fuscis.*

Body black: head wanting: sides and fore border of chest clothed with pale tawny hairs which are more thick on the hoary breast: abdomen clothed with yellow hairs, tawny beneath, and having two large ferruginous spots on each side of the second and third segments; legs tawny, clothed with yellow hairs and black bristles; knees and feet piceous: wings colourless, yellowish brown at the base and along the fore borders till near the tips; wing-ribs and veins piceous, the latter black towards their tips; poisers tawny, with yellow tips. Length of the body 6 lines; of the wings 14 lines.

a. Swan River. Presented by Sir J. Richardson.

ANTHRAX hottentotta, *Fabr. Ent. Syst.* iv. 260, 10. *Syst. Antl.* 125, 31. *Fall. Dipt. Suec. Anthr.* 9, 6. *Meig. Klass. Zweif.* i. 199, 1. *Latr. Gen. Cr.* iv. 310. *Cons. Gén.* 443. *Lam. Anim. sans Vert.* iii. 410, 3. *Curt. Brit. Ent. 2nd edit.* ix. 2. Musca hottentotta, *Linn. Syst. Nat.* ii. 281. *Faun. Suec.* 1287. *Gmel. Ed. Syst. Nat.* v. 2831, 13. *Schæf. Icon. pl.* 12, *f.* 10—12, *pl.* 76, *f.* 17. Bibio hottentotta, *Fabr. Sp. Ins.* ii. 415, 16. *Schrank. Faun. Boic.* iii. 2369. Bombylius Hottentottus, *Turt.* iii. 686. Nemotelus hottentottus, *Deg. Ins.* vi. 77,

pl. 11, *f.* 77. Anthrax flava, *Hoffmansegg*, *Meig. Dipt.* ii. 143, *pl.* 17, *f.* 9. *Macq. Hist. Nat. Dipt.* i. 403. *Curt. Brit. Ent. 2nd edit.* ix. 1. *Loew. Prog.* 1840, 12, 1. *Ent. Zeit. Stett.* 1841, 26. *Zett. Dipt. Scand.* i. 195, 1. *Gim. Bull. Soc. Imp. Nat. Mosc.* 1847, 1, 209, 1. A. fasciata, *Meig. Klass. Zweif.* i. 200, 3. A. circumdata, *Hoff. Meig. Dipt.* ii. 143, 2. *Macq. Hist. Nat. Dipt.* i. 403, 9. *Zett. Dipt. Scand.* i. 196, 2. *Gim. Bull. Soc. Imp. Nat. Mosc.* 1847, 1, 210, 2. A. cingulata, *Meig. Dipt.* ii. 145, 3. *Ahr. Faun. Eur.* 3, 19. *Macq. Hist. Nat. Dipt.* i. 404, 12. *Curt. Brit. Ent. 2nd edit.* ix. 3. *Zett. Ins.* 1840, 26, 1. *Zett. Dipt. Scand.* i. 197, 3. *Gim. Bull. Soc. Imp. Nat. Mosc.* 1847, 1, 210, 3. A. venusta, *Meig. Dipt.* ii. 145, 4. *Macq. Hist. Nat. Dipt.* i. 403, 10. A. concinna, *Meig. Dipt.* ii. 147, 7. *Macq. Hist. Nat. Dipt.* i. 404, 7. A. leucostoma, *Meig. Dipt.* ii. 146, 6. *Macq. Hist. Nat. Dipt.* i. 404, 13, A. bimaculata, *Macq. Hist. Nat. Dipt.* i. 403, 11.

a. England.
b. France.
c. South of France. Presented by the Entomological Club.
d. South of France. Presented by F. Walker, Esq.

ANTHRAX modesta, *Meig. Dipt.* ii. 146, 5.
a. South of France. Presented by F. Walker, Esq.

ANTHRAX lasia, *Wied. Analecta. Entom.* 23, 13. *Auss. Zweif.* i. 296, 55.
a. South Africa. Presented by Dr. A. Smith.

ANTHRAX sexfasciata, *Wied. Dipt. Exot.* i. 142, 35. *Auss. Zweif.* i. 296, 56.
a. South Africa. Presented by Dr. A. Smith.

ANTHRAX Bastardi, *Macq. Dipt. Exot.* ii. 1, 60, 13, *pl.* 20, *f.* 3.
a. Var. Nova Scotia. From Lieut. Redman's collection.

ANTHRAX lateralis, *Say*, *Journ. Acad. Philad.* 1822, 42, 2. *Wied. Auss. Zweif.* i. 318, 89.
a. Florida. Presented by E. Doubleday, Esq.
b. Nova Scotia. From Lieut. Redman's collection.

ANTHRAX submacula, n. s., fem. *Nigra, pilis flavis fulvisque vestita, pectore pilis fuscis vestita fasciculisque duabus rufis ornata, abdomine pilis ferrugineis vestito fasciisque duabus albidis, antennis pedibusque nigris, alis limpidis, basi et ad costam flavofuscis.*

Body black, clothed with yellow and tawny hairs: crown of the head clothed with black hairs: front adorned with bright tawny

hairs: feelers and mouth black, the former beset with black bristles at the base: eyes red: breast clothed with brown hairs, and having a tuft of red hairs near each wing-rib: abdomen clothed with ferruginous hairs, and having on each side two or more transverse spots of white hairs, which when not worn away, appear to form bands on the back: legs black, clothed with black hairs and bristles: wings colourless, yellowish brown at the base and along the fore borders till near the tips; wing-ribs and veins black; poisers tawny, with yellow tips. Length of the body 3½ lines; of the wings 8 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

ANTHRAX subannulus, n. s., mas. *Nigra, lateribus thoracis anticis fulvo-pilosis, pectore ventreque piceis, abdomine pilis fulvis fasciato, apice nigro piloso fasciculisque duabus argenteis ornato, antennis nigris, pedibus piceis, alis limpidis basi fulvis.*

Body narrow, black; its sides and the fore border of the chest thickly clothed with bright tawny hairs: eyes red: feelers and sucker black: breast piceous, with a slight hoary bloom: abdomen with a band of bright tawny hairs on each segment; the tawny hairs on the sides give place to black hairs towards the tip which is adorned with two tufts of bright silver hairs; under-side piceous: legs piceous, beset with black hairs; thighs clothed with tawny hairs: wings colourless, tawny at the base; wing-ribs and veins piceous; poisers yellow. Length of the body 4 lines; of the wings 8 lines.

a. ——— ?

Group XI.

Like the ninth group, but the first submarginal vein has a fork near its base.

ANTHRAX purpurata? *Wied. Auss. Zweif.* i. 300, 62.
a. ——— ?

Group XII.

Like the ninth group, but the vein that divides the first from the second submarginal areolet has a short fork on its first curve.

ANTHRAX alterna, n. s. *Fusca, pilis fulvis flavis albisque varia, abdomine subtus cano fulvoque vittato, pedibus fulvo-piceis, alis subcinereis, venis fusco nebulosis.*

Body rather broad: head and chest brown: head tawny about the mouth, clothed in front with bright tawny hairs, and behind the

eyes with tawny and white hairs: eyes red: first and second joints of feelers hoary, furnished with long white hairs; third joint piceous: chest thinly clothed with short tawny hairs, and having along the fore border a thick fringe of long yellow hairs; its sides and the breast are also clothed with long yellow hairs: abdomen black, with alternate bands of tawny and white hairs which are mingled, especially towards the tip, with black hairs; there is a thick patch of white hairs on each side of the base; the under-side is clothed with white hairs, and has alternate hoary and tawny bands, the former colour prevailing at the fore border, the latter at the hind border of each segment: legs piceous above, tawny beneath, clothed with black spines and tawny hairs; thighs clothed with white hairs; feet dark piceous: wings slightly gray; the fore border brown, which colour extends along some of the veins into the disk of the wing; veins piceous; poisers tawny, with piceous knobs. Length of the body 5 lines; of the wings 12 lines.

a. New Holland. Presented by the Earl of Derby.

ANTHRAX flammigera, n. s. *Nigra, pilis aureis vestita, pectore cano, abdomine fulvo nigro vittato, pedibus fulvis, tarsis piceis, alis subcinereis basi costaque flavo-fuscis.*

Head wanting: chest black, thickly clothed with bright golden hairs: breast hoary and clothed with white hairs: abdomen tawny, and thickly clothed with bright tawny hairs, with the exception of a broad black stripe, which slightly decreases in breadth from the base to the tip of the back: legs tawny; feet piceous: wings slightly gray, yellowish brown at the base and on the fore borders till near the tips; wing-ribs and veins piceous, the latter black towards the tips of the wings; poisers ferruginous, with yellow knobs. Length of the body $4\frac{1}{2}$ lines; of the wings 11 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

ANTHRAX albipectus, n. s., fem. *Nigra, capite pectoreque canis, abdominis lateribus basi flavo fasciculatis, ventre cano ciliis lateralibus fasciisque flavis, antennis nigris basi fulvo-cinctis, pedibus canis, tibiis flavis, tarsis piceis, alis fulvo subcinereis.*

Body narrow, black, rather thickly clothed with tawny hairs: head clothed with black hairs on the crown and with pale yellow hairs in front; hind part and under-side hoary: eyes red: feelers black, beset with black bristles and encircled with pale tawny rings towards the base: breast hoary, clothed with white hairs: abdomen with a tuft of yellow hairs on each side at the base; under-side hoary, with yellow hind borders to the segments, and a fringe of yellow hairs on each side: hips and thighs hoary, the latter yellow

towards the tips; shanks yellow, beset with black bristles; feet piceous: wings long, narrow, slightly gray, with a tawny tinge, which disappears at the tips and along the hind borders; wing-ribs and veins piceous, the latter black towards the tips; poisers tawny, with yellow tips. Length of the body 4½ lines; of the wings 10 lines.

a. ——— ?
b. South of France. Presented by F. Walker, Esq.

Perhaps this species is A. Hesperus, *Rossi*, *Meig. Dipt.* ii. 165, 36.

Group XIII.

Like the ninth group, but the vein that divides the first from the second submarginal areolet springs from the first submarginal vein. The specimen described has three submarginal areolets in one of its wings.

ANTHRAX argentifera, n. s. *Nigra, capite piceo, pectore, scutello, abdominis lateribus ventreque ferrugineis, abdominis dorso fasciculis albis, antennis pedibusque nigris, alis limpidis basi costaque ferrugineis.*

Allied to *A. rivularis.* Body black: head piceous, thickly clothed with bright tawny hairs, black and clothed with white hairs behind: feelers black, ferruginous at the base: sucker black: eyes red: chest clothed with tawny hairs; breast ferruginous and clothed with yellow hairs; scutcheon dark ferruginous: abdomen ferruginous on each side and beneath, and having a band of white hairs on the fore border of each segment, and a tuft of white hairs on each side at the base: legs black and beset with black bristles; thighs dark ferruginous: wings colourless, dark ferruginous at the base and along the fore borders for three-fourths of the length; this dark colour is irregular in outline on the disks of the wings, and runs along the borders of some of the veins, leaving the areolets almost colourless; wing-ribs and veins piceous, the latter black towards the tips; poisers ferruginous, with tawny knobs. Length of the body 5 lines; of the wings 12 lines.

a. ——— ?

Group XIV.

Like the ninth group, but the first submarginal vein has its source near the base of the wing, and is straight till near its tip.

ANTHRAX fervida, n. s., mas. *Nigra, capite piceo, pectore cano, abdomine ferrugineo, nigro subvittato apiceque nigro fasciculato, ventre flavo basi cano, antennis nigris, pedibus fulvis, tarsis piceis, alis fulvis apice limpidis.*

Body narrow: head piceous, clothed with short tawny hairs behind and in front, hoary beneath: feelers black: mouth ferruginous: eyes bronze colour: chest black, thickly clothed with bright tawny hairs; breast hoary: abdomen long-obconical, rather short, ferruginous, clothed with bright tawny hairs, and having on the back a black stripe which is interrupted on the hind border of each segment; a tuft of black hairs at the tip; under-side yellow and clothed with yellow hairs, hoary at the base: legs tawny; shanks darker than the thighs; feet piceous: wings long, narrow, tawny, paler along the hind borders, colourless at the tips; wing-ribs and veins piceous, the latter black towards the tips; poisers tawny, with yellow knobs. Length of the body 3½ lines; of the wings 9 lines.

a. ——— ?

ANTHRAX cognata, n. s., mas. *Nigra, pectore piceo, abdomine ferrugineo, basi nigro maculato et utrinque fulvo fasciculato, antennis nigris, pedibus fulvis, genubus tarsisque piceis, ciliis subcinereis, basi costaque fulvis.*

Body narrow, black: head clothed behind with short yellow hairs, and having a slight hoary bloom in front: feelers black: eyes bronze-colour: chest thickly clothed with bright tawny hairs: breast piceous, with a hoary bloom: abdomen ferruginous, clothed with bright tawny hairs, in which a few black hairs are mingled on each side; the base has a black spot in the middle and a tuft of tawny hairs on each side: legs tawny, beset with a few black bristles; knees and feet piceous: wings narrow, very slightly gray, tawny at the base and along the fore borders; wing-ribs and veins piceous, the latter black towards the tips; poisers yellow. Length of the body 3 lines; of the wings 8 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

Group XV.

ANTHRAX Pegasus, *Wied. Auss. Zweif.* i. 298, 59.
a. Brazil. From Mrs. Noel's collection.

Group XVI.

ANTHRAX Halcyon, *Say, Long's Exped. to St. Peter's River, App.* 371, 1. *Wied. Auss. Zweif.* i. 288, 44, *pl.* 3, *f.* 6.
a. Georgia. From Mr. Abbot's collection.

ANTHRAX Demogorgon, n. s. *Nigra, pilis rufis hirta, capitis vertice scutelloque ferrugineis, abdominis lateribus nigro ciliatis, antennis nigris, pedibus ferrugineis, tarsis piceis, alis nigro-fuscis maculis una magna fulva tribusque limpidis guttisque duabus limpidis, apice subcinereis fusco bivittatis.*

Body black: head clothed with black hairs, ferruginous between the eyes, tawny in front: mouth tawny; feelers and sucker black: eyes dark red: chest and breast, and especially the latter, clothed with red hairs; scutcheon ferruginous, excepting the fore border: abdomen dull black, piceous beneath, clothed with red hairs, and having a fringe of black hairs on each side: legs dark ferruginous, beset with black bristles; feet piceous: wings blackish brown, having near the fore border in middle of the length a large ferruginous spot, which also stretches along the borders of the veins; beneath this there are three colourless spots, which occupy as many areolets,—the first nearest to the hind border is small, the second is larger, the third is triangular and larger; beyond the latter and nearer to the hind border there are two very small, and sometimes almost obsolete, colourless spots; the tips of the wings are pale gray, excepting two stripes which follow the curves of the veins and are joined together at each end; wing-ribs and veins piceous; poisers tawny, their knobs piceous above. Length of the body 6 lines; of the wings 16 lines.

a. Florida. Presented by E. Doubleday, Esq.

The fork on the base of the fourth areolet on the hind border, reckoning from the base of the wing, is longer than that of *A. Halcyon.*

Group XVII.

ANTHRAX bipunctata, *Fabr. Syst. Antl.* 118, 4. *Wied. Dipt. Exot.* i. 138, 28. *Auss. Zweif.* i. 286, 42.
a. ——— ?

Group XVIII.

ANTHRAX melaleuca, *Wied. Auss. Zweif.* i. 299, 61.
a. Brazil?

ANTHRAX hyalacra, *Wied. Auss. Zweif.* i. 315, 84.
a. Brazil?

ANTHRAX delicatula, n. s. *Nigra, angusta, pilis albis ornata, pedibus nigris, alis longis, angustis, limpidis, basi marginibusque anticis fuscis.*

Body black, narrow: head clothed with white hairs: eyes piceous: feelers black: chest also adorned with white hairs, which form a stripe on each side and a band near the tip: the white hairs on the abdomen form a band, and a patch on each side near the base, and another patch on each side near the tip: legs black, rather long and very slender, beset with black spines: wings long and narrow, dark brown across the whole breadth for one-third from the base, and across half the breadth from thence to the tips; the hinder half is limpid, and the boundary lines between the two colours is very uneven and indistinct, and forms three or four hardly defined angles; veins black; poisers tawny, with piceous knobs. Length of the body 4 lines; of the wings 12 lines.

a. Jamaica. From Mr. Gosse's collection.

ANTHRAX noctiluna, n. s. *Cyaneo-nigra, maculis argenteis, abdominis basi fasciculis albis, antennis pedibusque nigris, alis nigrofuscis vittis sublimpidis, basi costaque subcyaneis.*

Body black, with a very slight bluish tinge, clothed with black hairs: head silvery behind and along the eyes in front: feelers and mouth black: eyes dark red: breast hoary, with some silvery marks: each side of the abdomen adorned with a large tuft of white hairs at the base and with a smaller tuft of bright silvery hairs near the tip: legs black and clothed with black hairs: wings long, narrow, blackish brown, with a bluish tinge at the base and along the fore borders, and having eight pale streaks on the areolets at the tips and along the hind borders; wing-ribs and veins piceous; poisers piceous, with tawny tips. Length of the body 5 lines; of the wings 16 lines.

a. ——— ?

ANTHRAX Cephus, *Fabr. Syst. Antl.* 124, 25. *Wied. Dipt. Exot.* i 141, 33. *Auss. Zweif.* i. 297, 58. *Macq. Dipt. Exot.* ii. 1, 59, 12.

a. Brazil?

Group XIX.

Distinguished by the contortion of the veins at the tips of the wings.

ANTHRAX insignis. Neuria lateralis, *Newman, Entomologist*, 220.

a. New Holland. Presented by Dr. A. Sinclair.

b. New Holland. Presented by R. Brown, Esq.

ANTHRAX fasciata, *Fabr. Syst. Antl.* 118, 2. *Wied. Auss. Zweif.* i. 321, 93. Neuria nigrescens, *Newm. Entomologist*, 221.
a. New Holland. Presented by the Earl of Derby.

ANTHRAX Stria, n. s. *Nigra, capite cano, thoracis scutellique lateribus, pectore, abdomineque subtus ferrugineis, abdomine fasciis fulvis, antennis piceis, pedibus ferrugineis, tarsis piceis, alis ferrugineis vittis sublimpidis apicem versus fusco alboque fasciatis.*

Body black, clothed with black and tawny hairs, among which are mingled a few white hairs: head hoary behind and in front along the eyes, above the insertion of the feelers, where it is thickly clothed with black hairs; front thickly clothed with bright tawny hairs: feelers and mouth piceous: eyes dark red: breast and sides of the chest ferruginous and covered with a hoary bloom; sides of the scutcheon also ferruginous: abdomen ferruginous beneath and thinly clothed with yellow hairs; hind borders of the segments pale tawny: legs ferruginous; feet piceous: wings ferruginous brown, with a white band on each before the tips; the areolets with almost colourless streaks, which are most distinct along the hind borders, but thence to the fore borders become successively more obsolete; wing-ribs and veins piceous, the latter black towards the tips; poisers tawny, with piceous tips. Length of the body 8 lines; of the wings 22 lines.

a. New Holland. Presented by Dr. A. Sinclair.

ANTHRAX basalis, n. s. *Nigra, pectore cano, thoracis lateribus, scutello, abdomineque subtus ferrugineis, abdomine fusco basi albo vittato, antennis piceis, pedibus ferrugineis, alis fusco-cinereo variis, apice albis.*

Body black: head hoary, beset with black bristles, which are most thick about the insertion of the feelers, tawny and thickly clothed with tawny hairs in front: mouth black, ferruginous at the base: eyes and feelers piceous, the latter dark ferruginous at the base: chest with a gray bloom, which is interrupted by three black stripes, and clothed with tawny hairs, which are more thick on the hoary breast; scutcheon and sides of the chest ferruginous: abdomen dull brown, thinly clothed with tawny hairs, with a white stripe at the base, ferruginous beneath: legs dark ferruginous, clothed with black hairs: wings brown, white at the tips, and having several pale gray streaks in the areolets of the disks; hind borders also mostly pale gray; wing-ribs and veins piceous, the latter black towards the

tips; poisers ferruginous. Length of the body 7½ lines; of the wings 21 lines.

a. New Holland. Presented by the Haslar Hospital.
b. West Australia. From Mr. Clifton's collection.

ANTHRAX quadripennis, n. s., mas. *Nigra, abdomine subtus ferrugineo, antennis pedibusque nigris, alis ferrugineo-cinereis, fusco fasciatis apice albis.*

Body black, clothed, especially on the sides, with yellow hairs: feelers, mouth and eyes also black: abdomen beneath ferruginous, but black towards the tip, with the exception of the hind borders of the segments: legs black, beset with black bristles: wings ferruginous along the fore borders till near the tips, which are white, pale gray along the hind borders from the base to a little beyond half the length, where this colour is divided from the white of the tips by a short broad pale brown band; wing-ribs and veins piceous, the latter black towards the tips; poisers ferruginous. Length of the body 6 lines; of the wings 20 lines.

a. New Holland.

ANTHRAX ocellata. Neuria ocellata, *Newman*, *Entomologist*, 221.
a. New Holland. Presented by the Rev. Augustus Beaufort.
b. ——— ?

ANTHRAX præargentata, *Macleay*, *King's Narr. Surv. West Austral.* ii. 468, 186. *Wied. Auss. Zwief.* ii. 648, 73.
a. New Holland. From Mr. Walker's collection.

ANTHRAX inclusa, n. s. *Nigra, capite pectore ventreque canis, antennis pedibusque nigris, alis fuscis, albo quinquemaculatis, apice albis margine apicali subfusco.*

Nearly allied to *A. ocellata*, but smaller and somewhat different in other characters. Body narrow, black, clothed with pale yellow hairs: head hoary, piceous about the mouth, thickly clothed with tawny hairs about the feelers, which, like the sucker, are black: chest with a fringe of black hairs on the fore border: breast hoary: abdomen with a few black hairs on the hind borders of the segments and on each side, hoary beneath: legs black, beset with black hairs and bristles; thighs also clothed with yellow hairs: wings brown, with a large white spot at the tip, the extreme part of which is slightly clouded with pale brown; the brown part is very pale on the disks of the areolets, and especially so towards the hind border, but dark along the veins; it comprises five white spots, which are

variable in size and in shape; two of them are near together towards the base of the wing; beyond these there is another, which is larger; the fourth and the fifth are alongside of each other, and nearer to the tip of the wing; wing-ribs and veins piceous, the latter black towards the tips; poisers tawny, with yellow knobs. Length of the body 2½—4 lines; of the wings 7—10 lines.

a. Van Dieman's Land. Presented by the Rev. T. Ewing.

ANTHRAX sobria, n. s. *Picea, capite cano, scutello ferrugineo, abdomine subtus ferrugineo fasciis fulvis, antennis nigris, pedibus ferrugineis, femoribus tibiis tarsisque apice nigris, alis cinereis, basi costaque fuscis.*

Body piceous: head hoary, thickly clothed with black hairs above the feelers and with pale yellow hairs in front: feelers black: mouth dark ferruginous: eyes red: chest clothed with tawny hairs, which are paler and thicker on each side: breast ferruginous, with a hoary bloom, and clothed with white hairs: abdomen thinly clothed with tawny black and whitish hairs, the latter mostly on the sides; under-side ferruginous, its segments with tawny hind borders: legs ferruginous, clothed with black hairs; tips of the thighs, of the shanks and of the feet black: wings gray, long and narrow, brown at the base and along the fore borders for four-fifths of the length, where the brown blends with the gray; wing-ribs and fore border veins piceous, the other veins black; poisers tawny. Length of the body 7 lines; of the wings 18 lines.

a. New Holland. Presented by J. Hunter, Esq.

ANTHRAX extensa, *Walker*, *Ent. Mag.* ii. 473.
a. New Holland. Presented by the Haslar Hospital.
b. Western Australia. From Mr. Clifton's collection.

ANTHRAX corculum. Neuria corculum, *Newman*, *Entomol.* 221.
a. New Holland. From Mr. Argent's collection.
b. New Holland.

ANTHRAX dorsalis, n. s., mas. *Ferruginea, capite necnon thoracis abdominisque discis nigris, thorace pilis flavis utrinque vittato, antennis nigris, pedibus ferrugineis, alis cinereis, basi costaque fuscis.*

Body ferruginous: head black, clothed with tawny hairs in front, and with black hairs on the crown and about the base of the feelers, which, like the sucker, are black: eyes red: lip pale yellow: lancets ferruginous: disk of the chest and that of the abdomen black: chest clothed with pale red hairs, and having a stripe of pale

yellow hairs with a few black bristles on each side: breast covered with a hoary bloom and with a few short yellow hairs: abdomen thinly clothed with short yellow and longer black hairs: legs ferruginous, beset with black hairs and bristles: wings brown at the base, along the fore borders and at the tips; the other part gray, with the exception of three short oblique white bands, which divide the brown from the gray colour; the disks of the areolets are paler towards the tips of the wings; wing-ribs and veins piceous, the latter black towards the tips; fore border veins ferruginous; poisers tawny, with piceous knobs. Length of the body $3\frac{1}{2}$ lines; of the wings 10 lines.

a. New Holland. Presented by the Haslar Hospital.

ANTHRAX serpentiger, n. s. *Nigra, abdomine subtus ferrugineo, antennis pedibusque nigris, tibiis tarsisque fulvis, alis fuscis, vittis cinereis striaque serpentina limpida.*

Body black, clothed with ferruginous hairs: feelers and mouth black: eyes piceous: sides of the chest clothed with white hairs, of which there are also some on the hind border: hoary hairs are mingled on the abdomen with the ferruginous hairs, which prevail chiefly on the hind borders of the segments; under-side of the abdomen dark ferruginous: legs black, and beset with black bristles; shanks and feet tawny, the latter piceous towards the tips: wings dark brown; cross-veins clouded with black; areolets varied with gray streaks, which are most distinct towards the hind borders of the wings; a narrow colourless serpentine streak begins in the disk at a little beyond two-thirds of the length of the wing, and extends thence to the tip; wing-ribs and veins black; poisers tawny, with piceous knobs. Length of the body 3 lines; of the wings 8 lines.

a. West Australia. From Mr. Clifton's collection.

ANTHRAX plena, n. s., fem. *Nigra, angusta, pilis nigris albis fulvisque vestita, thoracis lateribus scutello ventreque piceis, pedibus fulvis femoribus nigris, alis cinereis vittis maculisque plurimis fuscis, marginibus anticis fuscis, basi fulvis.*

Body black, rather narrow: head clothed with black hairs, and having a few tawny hairs near the base of the feelers, which like the mouth are black: eyes red: chest and breast clothed with long black hairs, among which are some shorter tawny hairs, and there is a fringe of white hairs along each side; scutcheon and sides of the the chest piceous: abdomen more thinly clothed with long black hairs, and also furnished with short white hairs along its sides; under-side piceous; legs beset with a few black spines and hairs;

hips and thighs black; shanks and feet tawny, with piceous tips: wings narrow, gray, dark tawny at the base, brown along the fore border for near two-thirds of their length; this brown stripe slightly widens towards its tip, where it terminates rather abruptly, but very irregularly, being interrupted by gray intervals; twelve brown spots occupy the veins on the gray part of the wing; six of these are on the cross-veins, and five along the hind borders; there are several pale brown stripes on the disks of the areolets, and two large irregular brown blotches; wing-ribs and veins black; poisers tawny, with a large piceous spot on the upper-side of the knob. Length of the body 3 lines; of the wings 10 lines.

a. West Australia. From Mr. Clifton's collection.

ANTHRAX decedens, n. s. *Nigro-fusca capite nigro, thorace vittis quinque pallidis, lateribus scutelloque ferrugineis, abdomine subtus fulvo, pedibus ferrugineis, alis cinereo-fuscis ferrugineo variis, apice albis.*

Body dark brown, much broader and less linear than that of any of the preceding species: head black, hoary behind, beset with black bristles between the eyes, and thickly clothed in front with tawny hairs: chest clothed with tawny hairs, having three pale very indistinct stripes on the disk, and a more decided white stripe on each side; sides and scutcheon ferruginous; breast hoary: abdomen clothed with tawny hairs which form a tuft on each side at the base, and the latter has also a slender band of yellowish white hairs; under-side tawny: legs dark ferruginous; thighs clothed with tawny hairs; shanks and feet clothed with black hairs: wings grayish brown, white at the tips, with a ferruginous tinge at the base and along the fore borders; wing-ribs and veins dark ferruginous, the latter piceous towards the tips; poisers tawny. Length of the body 7 lines; of the wings 20 lines.

a. West Australia. From Mr. Clifton's collection.

ANTHRAX tendens, n. s., mas. *Ferruginea, thoracis dorso nigro, abdomine rufo fasciis nigris, antennis nigris, pedibus rufis, alis limpidis fusco bifasciatis.*

Head thickly clothed in front with yellow hairs: feelers and sucker black, the former ferruginous at the base: eyes dark red: chest black, clothed with tawny hairs; sides and breast ferruginous, the latter slightly covered with a hoary bloom; scutcheon also ferruginous: abdomen red, clothed with yellowish white hairs at the base and on each side, and having a slender irregular black band on each segment of the back: legs red or tawny, beset with black hairs and bristles: wings long, brown, with two irregular colourless

bands, one in the middle, the other at the tip of the wing: the brown at the base is blackish on the fore border, but becomes paler and lastly gray towards the hind border; the first colourless band is more or less tawny adjoining the fore border; the brown between it and the second colourless band is very irregular towards the tip of the wing, the disks of its areolets are there nearly colourless, and its outskirts are confined to the borders of the veins; squamulæ fringed with bright yellow hairs; wing-ribs and veins piceous, the latter black towards the tips; poisers ferruginous. Length of the body 5—6½ lines; of the wings 15—19 lines.

a. New Holland. Presented by the Haslar Hospital.
b. West Australia. From Mr. Clifton's collection.

ANTHRAX plana, n. s., mas. *Picea, thorace cano trivittato scutello abdomineque ferrugineis.*

Body piceous: head clothed with black hairs in front, ferruginous about the mouth: sucker and feelers black: chest with three hoary stripes, clothed with tawny hairs, and adorned on each side with a tuft of dark red hairs in front, and of pale yellow hairs with a few red ones behind, and having also some white hairs about the base of the wings: scutcheon ferruginous: abdomen ferruginous, with a tuft of white hairs on each side at the base, black along the fore borders of the segments, which have each a band of white hairs; their sides are adorned with alternate tufts of black and white hair, and there is a double row of these tufts on the under-side; legs piceous, clothed with black hairs and bristles; thighs clothed beneath with tawny hairs, and having also some white hairs: wings gray, white at the tips, brown at the base and along the fore borders for more than three-fourths of the length, and for somewhat less than half the breadth; a white interval between the brown and the gray; the hind border of the brown part is rather concave, and it is oblique towards the tip; on the veins of the gray part there are four brown spots and two paler brown streaks, the latter approaching the hind border of the wing; wing-ribs and veins piceous, the latter darker towards the tips; poisers tawny, with yellow knobs. *Fem.*—Differs from the male in the following characters. Head larger, hoary, ferruginous in front, thickly clothed with tawny hairs about the mouth and the feelers, which latter are thickly beset with black bristles at the base: sides of the chest ferruginous: breast (like that of the male) ferruginous, with a hoary bloom: legs somewhat paler; thighs ferruginous beneath: the gray of the wing is darker, and the white between it and the brown is thereby more clearly defined. Length of the body 6—7 lines; of the wings 17—20 lines.

a. New Holland. Presented by the Haslar Hospital.
b. West Australia. From Mr. Clifton's collection.

ANTHRAX patula, n. s., mas. et fem. *Picea, thoracis lateribus scutello pectore abdomineque ferrugineis, pedibus nigris,* fem. *tibiis piceis, alis cinereis, fusco-vittatis et quadrimaculatis, apice et disco limpidis, basi costaque fuscis, alboque unimaculatis.*

Head wanting: chest piceous, clothed with hoary hairs, and having along the fore border a band of tawny hairs, with which some black hairs are mingled: sides of the chest and scutcheon ferruginous: breast ferruginous, covered with a hoary bloom, and thinly clothed with white hairs: abdomen like that of *A. plana*, thinly clothed on the back with black hairs, and that of the male having a broad and thick band of pale yellow hairs at the base: legs black, clothed with black hairs and bristles; shanks of the female piceous: wings gray, brown at the base and along the fore-borders for more than three-fourths of the length, and for full one-third of the breadth, colourless at the tips, and for a space between the gray and the brown; there is a small white spot on the outskirt of the brown at one-third of the length of the wing: the gray part is indistinctly clouded with pale irregular brown streaks, and on its veins there are four darker brown spots, two of them very small; wing-ribs and veins piceous, the latter black towards the tips; poisers tawny, with yellow tips. Length of the body 6—7 lines; of the wings 18—19 lines.

a. New Holland. Presented by Capt. Gray.
b. West Australia. From Mr. Clifton's collection.

CORSOMYZA, *Wiedemann.*

CORSOMYZA clavicornis, *Wied. Auss. Zweif.* i. 329, 4. *Jenson, Bull. Soc. Imp. Nat. Mosc.* iv. 332. Mulio clavicornis, *Wied. Zool. Mag.* iii. 12, 16.
a. Cape. From Mr. Walker's collection.

BOMBYLIUS, *Linn.*

* *Cross-veins along the hind border of the wing forming an interrupted line.*

† *Discoidal areolet closed.*

A. *The little cross-vein at three-fifths of the length of the discoidal areolet.*

BOMBYLIUS orientalis, *Macq. Dipt. Exot.* ii. 90, 9, *pl.* 6, *f.* 2.
a. North India. From Mr. L. James's collection.
b. North Bengal. From Miss Campbell's collection.

BOMBYLIUS hilaris, n. s. *Fuscus, thoracis lateribus canis fulvoque pilosis, pectore ventreque canis alboque pilosis, abdomine basi piloso albo fasciato et utrinque pilis nigris rufis albisque ornato, antennis nigris, pedibus rufis alis limpidis, basi et antice fuscis.*

Head dark brown, clothed with black hairs on the crown, with tawny hairs in front, and with white hairs beneath, where it is hoary: mouth black, much less than half the length of the chest: feelers black, a little longer than the head; third joint linear, longer than the first and second joints; fourth joint very short: chest brown, with a few tawny hairs; sides hoary, and clothed with a thick fringe of tawny hairs: breast hoary, clothed with white hairs, and having a thick fringe of tawny hairs on each side and in front: abdomen dark brown, with a few tawny hairs on the back, and having a band of white hairs at the base; the sides fringed with long black and red hairs and with shorter white hairs, the latter are chiefly towards the tip, which is adorned with a tuft of red hairs; under-side hoary, clothed with white and pale red hairs, the latter chiefly on the hind borders of the segments: legs red, beset with bristles of the same colour: wings brown at the base, and along the fore borders to the tips, colourless along the hind borders; the brown occupies full half the surface, it slightly decreases in breadth from the base to the tip, and its border is waved with three distinct outward and two inward curves; wing-ribs and veins dark ferruginous; poisers tawny, with ferruginous knobs. Length of the body 5 lines; of the wings 12 lines.

a. Swan River. Presented by Sir J. Richardson.
b. West Australia. From Mr. Clifton's collection.

B. *The little cross-vein at two-thirds of the length of the discoidal areolet.*

BOMBYLIUS analis. Mas. B. analis, *Fabr. Ent. Syst.* iv. 408, 5. *Syst. Antl.* 130, 10. *Coq. Illust. Icon.* 85, *pl.* 20, *f.* 5. *Wied. Dipt. Exot.* i. 160, 1, *Auss. Zweif.* i. 331, 1. Fem. B. discoideus, *Fabr. Ent. Syst.* iv. 409, 6. *Syst. Antl.* 130, 11. *Coq. Ill. Icon.* 86, *pl.* 20, *f*, 6. *Wied. Zool. Mag.* ii. 42.

Var. *a.* Tip of the abdomen clothed with white hairs.
Var. *β.* Tip of the abdomen clothed with tawny hairs.
Var. *γ.* Tip of the abdomen clothed with black hairs, with a small tuft of tawny hairs in the middle.
Var. *δ.* Smaller: tip of the abdomen with a tuft of tawny hairs on each side.

a. South Africa. Presented by Dr. A. Smith.
b. Cape. From Mr. Walker's collection.

Bombylius suffusus, n. s., fem. *Niger, thorace pilis fulvis vestito, pectore pilis albis et nonnullis nigris vestito, abdomine pilis nigris vestito fasciculisque uno fulvo duobusque albis apice ornato, antennis pedibusque nigris illis basi fulvis, alis limpidis, basi nigro-fuscis, costa venarumque marginibus fulvis.*

Body black: head clothed above with pale tawny hairs, and in front with silvery hairs; sides of the mouth piceous: mouth black, about half the length of the body: feelers black, tawny at the base: eyes piceous: chest clothed with pale tawny hairs: breast clothed with white hairs, and having a few black hairs about the base of the legs: abdomen clothed with black hairs, which are most thick on each side; its tip adorned with two large tufts of white hairs, and having also beneath a small tuft of bright tawny hairs: legs black: wings slightly gray, tawny on the fore borders and along the sides of the veins, blackish brown at the base; veins tawny; wing-ribs and poisers piceous; the former having each a tuft of white hairs in the front. Length of the body 5 lines; of the wings 14 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

Bombylius subluna, n. s., mas. *Niger, pilis albis vestitus, scutello ferrugineo, pectore pilis nigris vestito alboque bifasciculato, abdomine pilis vestito, dorso albo quinquemaculato, ventre vitta arcuata alba utrinque ornata, antennis pedibusque nigris, alis limpidis basi nigro-fuscis costaque fuscis.*

Body black: front of the head clothed with white hairs: sides of the mouth and eyes piceous: mouth black, half the length of the body: feelers black, beset towards the base with black hairs and bristles: chest thickly clothed with white hairs, which have a tawny tinge on the disk; breast clothed with black hairs, and having a tuft of white hairs on each side; scutcheon dark ferruginous, piceous on the base: abdomen clothed with black hairs, and having five spots of snow-white hairs, one on each side at the base, and three in a row along the back; under-side adorned on each side with a curved stripe, formed by four spots of snow-white hairs: legs black, thinly beset with black bristles: wings colourless, blackish brown at the base, brown along the fore borders for three-fourths of the length and full half the breadth; wing-ribs piceous, each with a tuft of white hairs in front; veins tawny; poisers piceous. Length of the body 7 lines; of the wings 17 lines.

a. Odessa. Presented by Dr. Dowler.

Bombylius flaviceps, *Macq. Dipt. Exot.* ii. 1, 88, 4, *pl.* 6, *f.* 4, *pl.* 7, *f.* 5.

a. West Africa. Presented by Sir E. Belcher.

BOMBYLIUS capensis, *Linn. Syst. Nat.* ii. 1009, 3. *Mus. Lud. Ulr.* 423. *Fabr. Ent. Syst.* iv. 409, 7. *Syst, Antl.* 132, 14. B. lateralis, *Fabr. Syst. Antl.* 129, 3. *Wied. Dipt. Exot.* i. 165, 9. *Auss. Zweif.* i. 337, 10. *Macq. Dipt. Exot.* ii. 1, 89, 7, *pl.* 7, *f.* 5.
a. South Africa. Presented by Dr. A. Smith.
b. Cape.

BOMBYLIUS pygmæus, *Fabr. Mant. Ins.* ii. 367, 13. *Ent. Syst.* iv. 411, 19. *Syst. Antl.* 135, 32. *Wied. Auss. Zweif.* i. 351, 34. *Lam. Anim. sans Vert.* iii. 407, 4. *Kirby, North Amer. Zool. Ins.* 313, 2.
a. Nova Scotia. Presented by the Entomological Club.
b. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

BOMBYLIUS pictus, *Panz. Faun. Germ.* xxiv. 24. *Mikan. Monogr.* 32, *pl.* 2, *f.* 3. *Schell. Gen. Mouch. pl.* 34, *f.* 1. *Schrank. Faun. Boic.* iii. 2580. *Meig. Dipt.* ii. 198, 15. *Macq. Hist. Nat. Dipt.* i. 379, 9. B. planicornis, *Fabr. Ent. Syst. Supp.* 569. *Syst. Antl*, 129, 6. *Wied. Zool. Mag.* i. 2, 20.
a. Odessa. Presented by Dr. Dowler.

C. *The little cross-vein somewhat beyond two-thirds of the length of the discoidal areolet.* Group III.

BOMBYLIUS micans, *Fabr. Ent. Syst. Supp.* 569, 2. *Syst. Antl.* 129, 4. *Wied. Dipt. Exot.* i. 162, 3. *Auss. Zweif.* i. 332, 3. *Macq. Dipt. Exot.* ii. 1, 87, 1, *pl.* 7, *f.* 5.
a. South Africa. Presented by Dr. A. Smith.
b. Cape.
c. Cape. From Mr. Sowerby's collection.

D. *The little cross-vein somewhat before two-thirds of the length of the discoidal areolet.*

BOMBYLIUS argentifer, n. s., fem. *Niger, densissime albo pilosus, scutello rufo, antennis nigris, pedibus flavis, alis albis, maculis duabus parvis fuscis.*

Body black, most thickly clothed with pure white silvery hairs: mouth and feelers black; the former much shorter than the chest: eyes bronze: scutcheon red: legs yellow, covered especially towards the hips with a white bloom, and beset with a few yellow bristles: wings white; wing-ribs and veins tawny; the two cross-veins in the

disk clouded with brown; poisers tawny. Length of the body 5 lines; of the wings 11 lines.

a. South Africa. Presented by Dr. A. Smith.

Bombylius, ruficeps, *Macq. Dipt. Exot.* ii. 1, 88, 5, *pl.* 7, *f.* 5.
a. South Africa. Presented by the Earl of Derby.
b. South Africa. Presented by Dr. A. Smith.
c. South Africa? From Mr. Children's collection.

Bombylius tinctus, n. s., fem. *Niger, pilis fulvis nigrisque vestitus, subtus cano alboque pilosus, scutello thoracisque lateribus rufo-pilosis, antennis nigris, pedibus ferrugineis, basi costaque nigro-fuscis.*

Head black, and clothed with long black hairs above and in front, and with short red hairs about the base of the feelers, hoary and clothed with white hairs behind and beneath; hypostoma tawny: eyes red, with a bronze tinge: mouth black, a little shorter than the chest: feelers black, as long as the head; first joint thickly beset with hairs; second joint short; third joint slightly tapering from the base to the tip, longer than the first and the second; fourth joint very small: chest rich brown, clothed with short reddish brown hairs, and having a stripe of white hairs on each side; scutcheon adorned with red hairs: breast and under-side of abdomen hoary, and clothed with white hairs, the former having a tuft of red hairs on each side by the base of the wing: abdomen black, clothed with tawny hairs and with black bristles, which are most frequent towards the tip: legs ferruginous, clothed with white hairs and black bristles, the latter chiefly on the shanks; feet pubescent, piceous towards the tips: wings slightly gray, blackish brown at the base and along the fore borders; the dark colour occupies less than half the surface, its border is not clearly defined, and it blends imperceptibly with the gray; wing-ribs and veins piceous, the latter black towards the tips; poisers tawny. Length of the body 3 lines; of the wings 10 lines.

a. ——— ?

E. *The little cross-vein somewhat beyond one half of the length of the discoidal areolet.*

Bombylius diagonalis, *Hoffmansegg, Meig. Dipt.* ii. 189, 4, vii. 6, 7. *Macq. Hist. Nat. Dipt.* i. 377, 2. *Gim. Bull. Soc. Imp. Nat. Mosc.* 1847, 1, 216, 1.
a. ——— ?

BOMBYLIUS inornatus, n. s., fem. *Niger, abdomine ferrugineo vitta dorsali nigra, antennis nigris basi ferrugineis, pedibus ferrugineis, genubus tarsisque piceis, alis subcinereis, basi et ad costam fulvis.*

Body black: head clothed with ferruginous hairs: mouth and feelers black; the former more than half the length of the body; the latter ferruginous at the base; first joint moderately long; second joint short; third joint linear, nearly twice the length of the first: chest and breast clothed with a few tawny hairs; the latter covered with a slight hoary bloom: abdomen ferruginous, with a black stripe on the back; this stripe is much dilated at the base of the abdomen, and somewhat less so on the borders of the second segment: legs ferruginous, thinly beset with short hairs and bristles; knees and feet piceous, the latter pubescent; wings slightly gray, tawny along the fore borders, and especially towards the base; wing-ribs and veins ferruginous, the latter piceous towards the tips; poisers yellow. Length of the body 4½ lines; of the wings 11 lines.

a. ——— ?

F. *The little cross-vein at five-eighths of the length of the discoidal areolet.*

BOMBYLIUS Servillei, *Macq. Dipt. Exot.* ii. 1, 88, 3, *pl.* 7, *f.* 5.
a. South Africa. Presented by Dr. A. Smith.

BOMBYLIUS nanus, n. s. *Niger, pilis fulvis rufisque vestitus, pectore albo piloso, abdomine pilis flavis rufisque vestito subtus cano, antennis nigris apice piceis, femoribus flavis, tibiis ferrugineis, tarsis piceis, alis subcinereis, basi et ad costam fuscis.*

Body black, thickly clothed with bright tawny and red hairs: a tuft of black bristles on the crown of the head, whose front is thickly clothed with shining pale yellow hairs: feelers nearly as long as the head; first and second joints black, and thickly beset with black bristles; second joint much shorter than the first; third joint piceous, spindle-shaped, nearly as long as the first and the second; fourth joint very small, with two or three bristles at the tip: mouth black, shorter than the chest: eyes piceous: breast clothed with white hairs: abdomen with alternate bands of bright pale yellow and red hairs: under-side hoary: legs slightly clothed with bristles and hairs; thighs yellow, having a ferruginous stripe from near the base to the tips, which like the shanks, are also ferruginous; feet piceous; wings slightly gray, brown at the base and

along the fore borders till near the tips; the brown colour occupies rather less than half the surface of the wing; wing-ribs and veins piceous, the latter black towards the tips: poisers tawny. Length of the body $2\frac{1}{2}$ lines; of the wings $6\frac{1}{2}$ lines.

a. West Australia. From Mr. Clifton's collection.

G. *The little cross-vein at half the length of the discoidal areolet.*

Bombylius medius, *Linn. Syst. Nat.* ii. 1009. *Faun. Suec.* 1919. *Gmel. Ed. Syst. Nat.* v. 2902, 2. *Fabr. Sp. Ins.* ii. 473, 3. *Ent. Syst.* iv. 408, 3. *Syst. Antl.* 129, 5. *Müll. Naturs.* v. 1008. *Deg. Ins.* vi. 107, 2, *pl.* 15, *f.* 12. *Schrank. Ins. Austr.* 1003. *Faun. Boic.* iii. 2578. *Berk. Syn.* i. 167. *Don. Brit. Ins.* v. 5, *pl.* 146, 1. *Stew. El.* 274. *Turt.* iii. 681. *Latr. Gen. Crust.* iv. 313. *Lam. Anim. sans Vert.* iii. 407, 2. *Fall. Dipt. Suec. Bomb.* 10, 2. *Meig. Dipt.* ii. 196, 13. *Macq. Hist. Nat. Dipt.* i. 378. *Zett. Dipt. Scand.* i. 189, 2. Bombylius, *Harris, Ex. pl.* 47, *f.* 1. B. major, *Sam. Ent. Comp.* 295, *pl.* 9, *f.* 10. *Wood, Ill. Lin. Gen. Ins.* ii. 106, *pl.* 71. B. discolor, *Mikan. Monogr.* 27, *pl.* 2, *f.* 1. *Meig. Klass. Zweif.* i. 178, 1, *pl.* 10, *f.* 8.

a. England.
b. France.

Bombylius concolor, *Mikan, Monogr.* 30, *pl.* 2, *f.* 2. *Schæff. Icon. pl.* 78, *f.* 3. *Latr. Gen. Cr.* iv. 314. *Meig. Dipt.* ii. 197, 14. *Macq. Hist. Nat. Dipt.* i. 378, 7.

a. France? From Mr. Children's collection.
b. Albania. Presented by W. W. Saunders, Esq.
c. ——— ?

Bombylius intermedius, n. s. *Niger, pilis fulvis, setisque nonnullis nigris vestitus, abdominis apice pilis rufescentibus ornato, pedibus rufis, antennis femoribusque nigris, alis limpidis fusco decem-maculatis necnon basi et ad costam flavo-fuscis.*

Nearly allied to *B. medius*, but the mouth is a little longer: body black, thickly clothed with tawny hairs, among which a few longer and slender black bristles are scattered, especially towards the tip of the abdomen: head clothed with black hairs, and having some tawny hairs on the front: mouth black, as long as the body: feelers black: eyes piceous: tip of the abdomen adorned with a tuft of reddish hairs: legs red, beset with black bristles; hips and thighs black, the latter red at the tips: wings colourless, yellowish

brown at the base and along the fore borders, and each having ten small brown spots which cloud the veins on the white part; wing-ribs and veins piceous; poisers tawny. Length of the body 4 lines; of the wings 12 lines.

a. ——— ?

Bombylius helvus, *Wied. Auss. Zweif.* i. 336, 8.
a. Georgia. From Mr. Abbot's collection.

Bombylius favillaceus, *Meig. Dipt.* ii. 211, 37. B. cinerascens, *Meig. Klass. Zweif.* i. 185, 15.
a. France.

Bombylius mexicanus, *Wied. Dipt. Exot.* i. 166, 10. *Auss. Zweif.* i. 338, 11.
a. Florida. Presented by E. Doubleday, Esq.

Bombylius ctenopterus, *Mikan, Monogr.* 45, 8, *pl.* 3, *f.* 8. *Meig. Dipt.* ii. 204, 24. *Macq. Hist. Nat. Dipt.* i. 382, 21. *Gim. Bull. Soc. Imp. Nat. Mosc.* 1847, 1, 222, 15.
a. France.

Bombylius tibialis, n. s. *Niger, pilis fulvis vestitus, capite pilis nonnullis nigris vario, antennis pedibusque nigris, tibiis fulvis, alis limpidis, basi et ad costam subfulvis.*

Body black, thickly clothed with tawny hairs, which are rather longer on the abdomen than on the chest: crown of the head beset with some black hairs: eyes black: mouth much longer than the chest; lip black: feelers black; first joint linear; second joint not half the length of the first; third joint linear, obconical at the base, tapering from two-thirds of the length to the tip, longer than the first and second joints: legs black; thighs and shanks armed with black spines; thighs clothed with pale tawny hairs; shanks tawny; feet clothed with short black hairs: tips of fore thighs and of middle thighs tawny: wings colourless, with a tawny tinge at the base and along the fore borders for a little more than two-thirds of the length; wing-ribs and veins ferruginous, the latter piceous towards the tips; poisers tawny, with ferruginous knobs. Length of the body $3\frac{1}{2}$ lines; of the wings 10 lines.

a. ——— ?

Bombylius semifuscus, *Meig. Dipt.* ii. 206, 27.
a. ——— ?

BOMBYLIUS ornatus, *Wied. Auss. Zweif.* i. 345, 23. *Macq. Dipt. Exot.* ii. 1, 91, 12.
a. South Africa. Presented by Dr. A. Smith.
b. Congo. Presented by Sir J. Richardson.
c. ——— ? From Mr. Children's collection.

BOMBYLIUS matutinus, n. s., mas. *Niger, pilis fulvis vestitus, antennis pedibusque nigris, alis subcinereis basi et ad costam fuscis.*

Body black, clothed with tawny hairs: eyes red, with a bronze tinge: hypostoma tawny: mouth more than half the length of the body: feelers black; first joint linear, clothed with tawny hairs; second joint not half the length of the first; third joint tapering from the base to the tip, longer than the first and the second: legs black, clothed with short tawny hairs: wings slightly gray, brown at the base and along the fore border for two-thirds of the length; wing-ribs and veins piceous; poisers tawny, with piceous knobs. Length of the body 3 lines; of the wings 8 lines.

a. New Holland. Presented by the Haslar Hospital.

BOMBYLIUS minimus, *Fabr. Ent. Syst.* iv. 409, 10. *Syst. Antl.* 133, 19. *Gmel. Ed. Syst. Nat.* v. 2903, 7. *Fall. Bombyl.* 10, 4. *Meig. Dipt.* ii. 208, 31. *Macq. Hist. Nat. Dipt.* i. 380, 14. B. fulvus, *Meig. Dipt.* ii. 205, 25.
a. ——— ?

H. *The little cross-vein somewhat before half the length of the discoidal areolet.*

BOMBYLIUS major, *Linn. Syst. Nat.* ii. *Faun. Suec.* 1918. *Gmel. Ed. Syst. Nat.* v. 2902, 1. *Fabr. Sp. Ins.* ii. 472, 1. *Ent. Syst.* iv. 407, 1. *Syst. Antl.* 128, 1. *Fall. Bombyl.* 9, 1. *Geoff. Ins.* ii. 466, 1. *Latr. Gen. Crust.* iv. 313. *Cons. Gén.* 443. *Lam. Anim. sans Verteb.* iii. 407, 1. *Schæf. Icon. pl.* 121, *f.* 3. *Schell. Gen. Mouch. pl.* 34, *f.* 2. *Schrank. Ins. Austr.* 1002. *Herbst, Gem.* viii. *pl.* 347, *f.* 1. *Berk. Syn.* i. 167. *Don. Brit. Ins.* ii. 79, *pl.* 66. *Stew. El.* 273. *Turt.* iii. 681. *Wied. Zool. Mag.* i. 2, 20. *Meig. Dipt.* ii. 190, 5. *Macq. Hist. Nat. Dipt.* i. 377, 1. *Kirby, North Amer. Zool. Ins.* 312, 1. *Zeller, Isis*, 1840, 21, 6. *Zett. Dipt. Scand.* i. 188, 1. *Gim. Bull. Soc. Imp. Nat. Mosc.* 1847, 1, 216, 2. B. variegatus, *Deg. Ins.* vi. 107, 1, *pl.* 15, *f.* 10. B. sinuatus,

Mikan, Monogr. 35, *pl.* 2, *f.* 4. *Meig. Klass. Zweif.* i. 179, 4. B. vicinus, *Macq. Dipt. Exot.* ii. 98, 30. Bombylius, *Harris, Ex. pl.* 47, *f.* 1.
a. England.
b. France.
c. New York. Presented by the Entomological Club.
d. Trenton. Presented by E. Doubleday, Esq.
e. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.
f. Nova Scotia. From Lieut. Redman's collection.

Bombylius fimbriatus, *Gürtl. Meig. Dipt.* ii. 191, 6. *Gim. Bull. Soc. Imp. Nat. Mosc.* 1847, 1, 217, 3.
a. France?
b. Spain.

Bombylius cinerascens, *Mikan, Monogr.* 50, 10, *pl.* 3, *f.* 10. *Meig. Dipt.* ii. 212, 38.
a. Italy. From Dr. Leach's collection.

Bombylius fulvus, *Wied. Dipt. Exot.* i. 172, 22. *Auss. Zweif.* i. 347, 27.
a. Florida. Presented by E. Doubleday, Esq.

I. *The little cross-vein at six-elevenths of the length of the discoidal areolet.*

Bombylius ater, *Linn. Syst. Nat.* ii. 1010, 5. *Fabr. Sp. Ins.* ii. 473, 6. *Ent. Syst.* iv. 410, 12. *Syst. Antl.* 133, 22. *Gmel. Ed. Syst. Nat.* v. 2903, 5. *Mikan, Monogr.* 47, *pl.* 3, *f.* 9. *Schæff. Icon. pl.* 79, *f.* 6. *Schrank. Faun. Boic.* iii. 2582. *Ins. Austr.* 1006. *Meig. Dipt.* ii. 195, 11. *Macq. Hist. Nat. Dipt.* i. 378, 4.
a. France?
b. Ukraine. Presented by Dr. Dowler.

Bombylius holosericeus, *Megerle, Meig. Dipt.* ii. 193, 9.
a. ———?

Bombylius dimidiatus, *Megerle, Meig. Dipt.* ii. 192, 8. *Gim. Bull. Soc. Imp. Nat. Mosc.* 1847, 1, 217, 4.
a. Ukraine. Presented by Dr. Dowler.

Bombylius nubilus? *Mikan, Monogr.* 40, 6, *pl.* 2, *f.* 6. *Meig. Dipt.* ii. 212, 39.
a. ———?

J. *The little cross-vein at five-elevenths of the length of the discoidal areolet.*

Bombylius maculatus, *Fabr. Syst. Ent.* 803, 6. *Mant. Ins.* ii. 366, 9. *Ent. Syst.* iv. 410, 13. *Syst. Antl.* 134, 25. *Wied. Dipt. Exot.* i. 169, 17. *Auss. Zweif.* i. 342, 19.
a. Madras. Presented by Walter Elliott, Esq.

Bombylius versicolor, *Fabr. Syst. Antl.* 131, 12. *Meig. Dipt.* ii. 213, 41.
a. ——— ?

Bombylius dilutus, *Hoffmansegg*, *Meig. Dipt.* ii. 189, 3.
a. France.
b. ——— ?

Bombylius pallens? *Hoffmansegg*, *Meig. Dipt.* ii. 214, 43.
a. ——— ?

Bombylius posticus, *Fabr. Syst. Antl.* 131, 13. *Wied. Zool. Mag.* i. 2, 22. *Meig. Dipt.* ii. 200, 17. *Macq. Hist. Nat. Dipt.* i. 380, 12. *Gim. Bull. Soc. Imp. Nat. Mosc.* 1847, i. 220, 10.
a. Lyons, France. Presented by F. Walker, Esq.

Bombylius cruciatus, *Fabr. Ent. Syst. Suppl.* 569. *Syst. Antl.* 130, 7. *Latr. Gen. Crust.* iv. 314. *Meig. Klass. Zweif.* i. 190, *l.* fem. *Macq. Hist. Nat. Dipt.* i. 379, 10. *Gim. Bull. Soc. Imp. Nat. Mosc.* 1847, 1, 220, 9.
a. France.

Bombylius varius, *Fabr. Syst. Antl.* 132, 17. *Wied. Dipt. Exot.* i. 163, 6. *Auss. Zweif.* l. 335, 7.
a. North America.

K. *The little cross-vein at four-sevenths of the length of the discoidal areolet.*

Bombylius vulpinus, *Hoffmansegg*, *Meig. Dipt.* ii. 200, 18.
a. France.
b. Switzerland. Presented by Dr. Dowler.
c. Tyrol. Presented by Dr. Dowler.
d. Ukraine. Presented by Dr. Dowler.

Bombylius senex? *Hoffmansegg*, *Meig. Dipt.* ii. 216, 47.
a. ——— ?

L. *The little cross-vein somewhat beyond one-third of the length of the discoidal areolet.*

BOMBYLIUS ardens, n. s. *Niger, pilis fulvis vestitus, capitis fronte pilis fuscis hirto, rostro corporis dimidio longiore, antennis nigris, pedibus ferrugineis, tarsis piceis, alis limpidis basi nigro-fuscis et ad costam pallidè fuscis.*

Body black, clothed with long bright tawny hairs: head clothed with brown hairs in front and about the base of the feelers, which, like the mouth, are black; the latter is more than half the length of the body: eyes piceous: legs ferruginous, clothed with black hairs and bristles; thighs darker than the shanks; feet piceous: wings colourless, dark brown at the base, and slightly so along the fore borders; the border of this brown is very oblique, and it slants towards the hinder base of the wing; its outskirts are confined to the sides of the cross-veins; wing-ribs and veins piceous; poisers tawny. Length of the body 3 lines; of the wings 7 lines.

a. East Indies. From Archdeacon Clerk's collection.

BOMBYLIUS sericeus, *Meig. Dipt.* ii. 203, 23. *Macq. Hist. Nat. Dipt.* i. 382, 20. B. canescens? *Mikan, Monogr.* 54, 12, *pl.* 3, *f.* 12. B. nubilus, *Meig. Klass. Zweif.* i. 181, 6.

a. South of France. Presented by F. Walker, Esq.

BOMBYLIUS minor, *Linn. Faun. Suec.* 1920. *Gmel. Ed. Syst. Nat.* v. 2903, 4. *Fabr. Sp. Ins.* ii. 473, 5. *Ent. Syst.* iv. 409, 9. *Syst. Antl.* 132, 18. *Fall. Dipt. Suec. Bomb.* 10, 3. *Latr. Gen. Crust.* iv. 314. *Lam. Anim. sans Verteb.* iii. 407, 3. *Schæff. Icon. pl.* 112, *f.* 6. *Herbst, Gem.* viii. *pl.* 347, *f.* 3. *Schrank. Ins. Austr.* 1004. *Meig. Dipt.* ii. 201, 20. *Macq. Hist. Nat. Dipt.* i. 380, 13. *Zett. Dipt. Scand.* i. 191, 5. *Gim. Bull. Soc. Imp. Nat. Mosc.* 1847, 1, 221, 12. B. venosus, *Mikan, Monogr.* 42. *Klass. Zweif.* i. 180, 5.

a. England.
b. France.
c. South of France. Presented by F. Walker, Esq.

BOMBYLIUS cinereus, *Meig. Dipt.* ii. 212, 40.

a. France.

BOMBYLIUS pumilus, *Hoffmansegg, Meig. Dipt.* ii. 209, 33. B. sulphureus, *Mikan, Monogr.* 52, 11, *pl.* 3, *f.* 11.

a. France.

BOMBYLIUS nitidulus, *Fabr. Ent. Syst.* iv. 409, 8. *Syst. Antl.* 132, 15. *Meig. Dipt.* ii. 202, 22, *pl.* 18, *f.* 5, 6. *Macq. Hist. Nat. Dipt.* i. 382, 19. *Gim. Bull. Soc. Imp. Nat. Mosc.* 1847, 1, 222, 14. B. Diadema, *Meig. Klass. Zweif.* i. 182, 8. B. caudatus, *Meig. Klass. Zweif.* i. 184, 12.
a. ——— ?

BOMBYLIUS hypoleucus, *Wied. Dipt. Exot.* i. 168, 15. *Auss. Zweif.* i. 340, 16.
a. South Africa. Presented by Dr. A. Smith.

BOMBYLIUS stylicornis, *Macq. Hist. Nat. Ins. Dipt.* i. 381, 18. *Dipt. Exot.* ii. 1, 92, 14, *pl.* 7, *f.* 2.
a. South Africa. Presented by Dr. A. Smith.

BOMBYLIUS latifrons, *Macq. Webb. et Berth. Hist. Nat. des Carr. Dipt. Exot.* ii. 1, 94, 20, *pl.* 6, *f.* 6, *pl.* 7, *f.* 2.
a. South Africa. Presented by Dr. A. Smith.

BOMBYLIUS hircanus, *Pallas, Wied. Zool. Mag.* ii. 22. *Dipt. Exot.* i. 166, 11. *Auss. Zweif.* i. 338, 12.
a. ——— ?

BOMBYLIUS pallidulus, n. s., mas. *Niger, pilis flavis vestitus, capite supra pilis fuscis ornato, antennis nigris, pedibus fulvis, tarsis piceis, alis limpidis.*

Body black, very thickly clothed with pale yellow hairs, which are longer on the abdomen than on the head and on the chest: head covered with pale silky down, having some black hairs on the crown, and clothed with pale brown hairs on the front: eyes bronze: mouth as long as the chest; lip black: feelers black; first joint linear; second joint not half the length of the first; third joint tapering from the base to the tip, a little longer than the first: legs pale tawny, clothed with very short hairs of the same colour; feet piceous, tawny at the base: wings colourless; wing-ribs and veins ferruginous, the latter piceous towards the tips; poisers pale tawny. Length of the body 4 lines; of the wings 9 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

L. *The little cross-vein at one-third of the length of the discoidal areolet.*

Bombylius vetustus, n. s., mas. *Cinereus, pilis albis vestitus, abdominis basi et apice nigro fasciculatis, antennis nigris, femoribus canis, tibiis fulvis, tarsis nigris, alis cinereis.*

Body gray, most thickly clothed with white hairs: eyes piceous: feelers black, like those of *B. crassus;* first and second joints clothed with black hairs: mouth black, as long as the chest; lip or sucker pubescent; labrum black, linear, much shorter than the tongue, which is tawny, but for one-third of its length from the tip is black; maxillæ tawny, as long as the labrum; palpi small, black, hairy: disk of the chest clothed with gray hairs: abdomen with a few hairs at the base, but thickly fringed on each side and towards the tip; each side has a small tuft of black hairs in the middle, and a large tuft of black hairs at the tip; there are a few black and tawny hairs mingled with the white hairs on the back: legs thinly clothed with hairs and bristles; hips and thighs hoary; shanks tawny, with a slight hoary bloom; feet and tips of the shanks black: wings gray; wing-ribs and veins piceous, the latter black towards the tips; poisers ferruginous, with piceous knobs. Length of the body 5 lines; of the wings 14 lines.

a. New Holland. From Mr. Lambert's collection.
b. New Holland. From Mr. Argent's collection.

Bombylius platyurus, n. s. *Niger, pilis fulvis vestitus, pilisque nonnullis rufis et albis ornatus, abdomine pilis nigris fasciato, apice nigro utrinque fasciculato, pectore et ventre canis illoque pilis albis vestito, antennis nigris, pedibus piceis, alis cinereis, basi et ad costam flavo-fuscis.*

Head hoary, clothed with white hairs, having a few red hairs on the front, and a small tuft of black hairs on the crown: mouth black, as long as the chest: feelers black; first and second joints thickly beset with black bristles; third joint slender, slightly tapering from the base to the tip, longer than the first and second joints; fourth joint very small: chest black, thickly clothed with tawny hairs, among which a few red hairs are mingled, and having a few hoary hairs on each side and in front: breast hoary, clothed with white hairs: abdomen black, clothed with white and longer red hairs, and having a black band across the back, and a thick tuft of black hairs on each side at the tip; under-side hoary, with black tufts at the tip, but no band: legs piceous, clothed with black hairs, and beset with red bristles: wings gray, yellowish brown at the base,

and more slightly so along the fore borders for three-fourths of the length; wing-ribs and veins ferruginous, the latter piceous towards the tips; poisers tawny. Length of the body 6 lines; of the wings 16 lines.

a. West Australia. From Mr. Clifton's collection.

Bombylius crassus, n. s., fem. *Cinereus, pilis flavis vestitus, antennis nigris, pedibus fulvis, alis cinereis, basi costâ maculisque quatuor nigro-fuscis.*

Body gray, thickly clothed with pale yellow hairs: eyes dark red: feelers black, as long as the head; first and second joints thickly clothed with yellow hairs; second joint much shorter than the first; third joint much longer than the first and the second, spindle-shaped for two-thirds of its length, linear thence and very slender to the tip: mouth black, half the length of the body; maxillæ yellow; hypostoma tawny: legs tawny, clothed with yellow hairs and black bristles; hips gray; feet black towards the tips: wings gray, blackish brown at the base and along the fore borders to the tips, which are paler; four small blackish spots cloud the veins in the gray of the wings; wing-ribs and veins piceous, the latter black towards the tips; poisers tawny. Length of the body 4—5 lines; of the wings 10—12 lines.

a. New Holland. Presented by the Haslar Hospital.

M. *The little cross-vein somewhat before one-third of the length of the discoidal areolet.*

Bombylius scutellatus, *Macq. Dipt. Exot.* ii. 1, 94, 18, *pl.* 7, *f.* 2. *a.* South Africa. Presented by Dr. A. Smith.

One wing of the specimen of this species has the areolet at the tip of the wing subdivided by a little cross-vein.

Bombylius cephalotes, n. s., fem. *Niger, pilis fulvis subtus pallidioribus vestitus, capitis vertice pilis nigris fasciato, antennis nigris, pedibus fulvis, femoribus nigris, alis subcinereis, basi et ad costam fulvis.*

Resembles *B. hircanus.* Body black: head very broad, thickly clothed with long tawny hairs, and having a band of black hairs between the eyes; under-side clothed with white hairs: eyes piceous: mouth black, much shorter than the chest: feelers black; third joint slightly tapering from the base to the tip, shorter than the first and the second joints: chest thickly clothed with rather dark tawny hairs; breast clothed with white and pale yellow hairs,

and the sides having hairs of an intermediate colour: abdomen also thickly clothed with long dark tawny hairs, which form tufts on each side and at the tip, where they are most mixed with long black hairs; the under-side has on each side of the base a thick tuft of shining pale yellow hairs: legs tawny, beset with bristles of the same colour; hips and thighs black; tips of the latter tawny; feet darker than the shanks: wings slightly gray, tawny at the base and along the fore borders; wing-ribs and veins ferruginous, the latter piceous towards the tips. Length of the body 3½ lines; of the wings 10 lines.

a. ———?

Bombylius solitus, n. s. *Niger, pilis flavis vestitus, capite pilis nigris vario, antennis nigris, pedibus fulvis, tibiis apice piceis, tarsis nigris, alis limpidis.*

Body black, thickly clothed with shining pale yellow hairs, which are longest on the abdomen: crown of the head and clypeus beset with black hairs: eyes very dark red: mouth much longer than the chest; tips black: feelers black; first and second joints linear; second joint about half the length of the first; third joint spindle-shaped for two-thirds of the length, thence to the tip compressed and linear, and ending in a spine: legs tawny; thighs and shanks clothed with short pale yellow hairs, and armed with black spines; tips of the shanks piceous; feet black, clothed with short black hairs and bristles: wings colourless; wing-ribs ferruginous; veins piceous, ferruginous at the base, black towards the tips; poisers pale tawny. Length of the body 3 lines; of the wings 8 lines.

a. Florida. Presented by E. Doubleday, Esq.

†† *Discoidal areolet open.*

Bombylius altus, n. s., fem. *Cinereus, pilis fulvis et nonnullis rufis nigrisque vestitus, subtus albo pilosus, antennis nigris, pedibus ferrugineis, tarsis piceis, alis cinereis basi et ad costam fulvis.*

Body gray: head clothed with tawny hairs, and having a few black hairs on the crown; under-side thickly covered with white hairs: feelers and mouth black, the latter about half the length of the chest: chest very thickly covered with short tawny hairs, which are paler on each side as they approach the white hairs of the breast; the sides are also adorned with red hairs, and a few red and black hairs are scattered over the chest and the breast: abdomen

thickly clothed with tawny hairs, which are very bright on each side towards the tip; its back is thinly covered with black hairs which are most frequent at the tip; the under-side, with the exception of the sides and the tip, is clothed with white hairs: legs ferruginous, covered with a hoary bloom, and clothed with short whitish hairs and stout black bristles: feet piceous towards the tips: wings gray, tawny at the base and along the sides of the veins of the fore borders for three-fourths of the length; wing-ribs ferruginous; veins piceous, black towards the tips; poisers ferruginous, with yellow tips. Length of the body 5 lines; of the wings 14 lines.

a. Swan River. Presented by Sir J. Richardson.

Bombylius auratus, n. s., mas. *Niger, pilis aureis vestitus, subtus canus, abdomine flavo univittato pilisque nigris apice vestito, antennis nigris, pedibus ferrugineis, genubus tibiis apice tarsisque piceis, alis cinereis basi ferrugineis.*

Body black, thickly clothed with golden hairs, which are longest and brightest on each side and beneath: a tuft of black bristles on the crown of the head, and another on the first and the second joints of the feelers, which are also black: mouth black, much more than half the length of the body; palpi black, hairy, longer than those of *B. vetustus*: eyes dark green with a bronze tinge: breast and under-side of the abdomen hoary: back of the abdomen hoary towards the tip, where it has very few yellow hairs, but is thinly covered with long black hairs, and has a stripe of short shining pale golden hairs; last segment ferruginous: legs bright tawny, clothed with golden hairs and red bristles; the hairs abound most on the thighs, the bristles on the shanks, whose tips and the knees are piceous; the feet are also piceous, and clothed with short hairs of the same colour: wings rather dark gray, bright ferruginous at the base, more slightly so along the sides of the veins of the fore borders towards the tips, where this colour gradually disappears; wing-ribs and veins piceous, the latter black towards the tips; poisers tawny, with brighter and paler tips. Length of the body 5 lines; of the wings 16 lines

a. Van Dieman's Land. Presented by the Earl of Derby.
b. West Australia. From Mr. Clifton's collection.

Bombylius rutilus, n. s. *Cinereus, pilis luteis vestitus, subtus canus pilisque flavis vestitus, scutello rufo, abdomine flavo univittato, antennis nigris basi cinereis, pedibus fulvis, alis cinereis basi ferrugineis.*

Body gray: head clothed with brown hairs on the crown, with tawny hairs on the front, and with pale yellow hairs beneath, where

it is white: eyes green, with a bronze tinge: feelers black, like those of *B. crassus*, gray at the base: mouth black, rather shorter than the chest, dark ferruginous at the base: chest and abdomen clothed with orange hairs, which are longest, brightest, and thickest on each side of the tip of the latter, where they are mingled with black hairs: under-side hoary, and clothed with pale yellow hairs; scutcheon red; a stripe of pale yellow shining hairs on the back of the abdomen: legs bright tawny, clothed with short yellow hairs, and beset with a few red bristles: wings rather dark gray, having at the base a ferruginous tinge, which may be slightly traced along the fore borders; wing-ribs and veins ferruginous, the latter piceous towards the tips; poisers tawny, with brighter tips. Length of the body 5 lines; of the wings 12 lines.

a. Sydney, New South Wales. Presented by Dr. A. Sinclair.

Bombylius pinguis, n. s., mas. *Cinereus, pilis rufo-albidis vestitus, scutello ferrugineo, abdomine pilis fulvis nonnullisque nigris longioribus vestito, antennis nigris basi cinereis, pedibus rufis, femoribus plerumque nigris, alis cinereis basi fulvis.*

Body gray: head hoary, clothed with reddish white hairs, having a tuft of black hairs on the crown, and another of tawny hairs on the front, while long black and reddish hairs are mingled with the white hairs which cover the under-side: eyes piceous: feelers black, nearly as long as the head; first and second joints gray; second joint not half the length of the first; third joint slightly tapering from the base to the tip, longer than the first and the second: mouth black, half the length of the chest: chest clothed with reddish white hairs; scutcheon ferruginous: breast clothed with yellowish white hairs: abdomen clothed with tawny hairs, which are thickest on each side, and longer black hairs are scattered among them, especially towards the tip; under-side mostly clothed with whitish hairs: legs red, covered with yellow hairs and black bristles; hips, knees, fore thighs, and middle thighs for two-thirds of the length, and hind thighs at the base black: wings gray, tawny at the base, and along the sides of the veins on the fore borders; this tinge disappears at the tips and along the hind borders: wing-ribs and veins piceous, the latter darker towards the tips; poisers tawny. Length of the body 5 lines; of the wings 11 lines.

a. Swan River. Presented by Sir J. Richardson.

BOMBYLIUS decoratus, n. s., mas. et fem. *Cinereus, pilis fuscis fulvis flavis albisque vestitus, thorace cano quadrivittato, scutello rufo, pectore cano, abdomine flavo univittato pilisque fuscis et albis utrinque fasciculato, antennis nigris, basi pedibusque ferrugineis, tibiis fulvis, alis subcinereis, basi costâ maculisque duabus subcinereis.*

Body gray: head with a small tuft of brown hairs on the crown about the eyelets, clothed in front with brown and tawny hairs, and beneath with white hairs: feelers black, like those of *B. crassus;* first and second joints ferruginous: mouth black, piceous towards the base, shorter than the chest: palpi tawny, hairy: eyes green, with a bronze tinge: chest clothed with tawny and yellow hairs, and having four hoary stripes, the outer stripes are clothed with white hairs, and on each side below them there is a tuft of brownish and red hairs: breast hoary, and clothed with pale yellow hairs: scutcheon dark red: abdomen with a stripe of pale yellow hairs on the back, which is clothed with brown hairs, and there are thick tufts of reddish brown and white hairs on each side and at the tip; the disk of the under-side is clothed with short red hairs: legs ferruginous, clothed with yellow hairs and darker bristles; shanks tawny, with ferruginous tips: wings like those of *B. major*, slightly gray, brown at the base and along the fore borders till very near the tips; this brown hue passes into dark gray towards the tip, but retains its own colour, where it joins the paler gray part, it occupies rather less than half the surface, decreases in breadth from the base to the tip, and has three or four curves along the gray part; there is also a small brown spot on the vein at the tip of the wing; wing-ribs and veins ferruginous, the latter piceous towards the tips; poisers yellow, shaded here and there with darker colour. Length of the body 5—5½ lines; of the wings 12—13 lines.

a. West Australia. From Mr. Clifton's collection.

BOMBYLIUS tetratrichus, n. s. *Cinereus, subtus canus pilisque albis vestitus, thorace flavo piloso, abdomine fulvo piloso apiceque fusco utrinque fasciculato, pedibus fulvis, tarsis piceis, alis cinereis ad costam fulvescentibus.*

Head wanting: chest gray, most thickly clothed with shining pale yellow hairs, which are white near their roots: breast hoary, and very thickly clothed with shining white hairs: abdomen clothed with tawny hairs, which are longer than those of the chest, and there is a thick tuft of long brown hairs on each side at its tip; under-side hoary, and thickly clothed with silky white hairs: legs tawny, clothed with pale yellow hairs and with a few dark tawny

bristles; hips black; thighs with a white bloom, paler than the shanks; feet piceous; wings gray, with a dark tawny tinge along two-thirds of the fore borders; wing-ribs and veins piceous, the latter black towards the tips; poisers tawny, with bright yellow tips. Length of the body 5 lines; of the wings 12 lines.

a. Swan River. Presented by Sir J. Richardson.

Bombylius immutatus, n. s., mas. *Niger, pilis flavis vestitus, antennis femoribusque nigris, tibiis ferrugineis, tarsis piceis, alis limpidis basi costaque fulvis.*

Body black, with a gray bloom, most thickly covered with pale yellow hairs: there are a few black hairs on the crown of the head, which is covered with more and longer black hairs about the base of the feelers; the latter are black; the third joint slightly tapers from the base to the tip, and is rather shorter than the first and the second: mouth black, as long as the chest: palpi also black, and more than one-third of the length of the mouth: eyes dark red, with a bronze tinge: legs ferruginous, with a few black bristles which are mostly on the shanks; hips and thighs, excepting the tips of the latter, black and covered with a hoary bloom; feet hairy, piceous: wings colourless, tawny at the base and on the fore borders for two-thirds of the length; wing-ribs and veins tawny, the latter black towards the tips; poisers tawny, their knobs mostly piceous. Length of the body 4 lines; of the wings 10 lines.

a. West Australia. From Mr. Clifton's collection.

Bombylius mystax, *Wied. Zool. Mag.* ii. 42. *Dipt. Exot.* i. 171, 20. *Auss. Zweif.* i. 346, 25.
a. Cape.

Bombylius primogenitus, n. s., mas. *Niger, pilis ferrugineis vestitus, capite pilis albis fulvis nigrisque ornato, antennis nigris, pedibus fulvis, femoribus basi nigris, tarsis piceis, alis subcinereis basi et ad costam fuscis.*

Body black: head rather broad, clothed with tawny hairs behind, with black hairs on the crown, and with white hairs on the front and beneath: eyes red: mouth rather shorter than the chest: feelers black; second joint not one-third of the length of the first; third joint very slightly tapering from the base to tip, longer than the first and the second: chest and breast clothed with bright ferruginous hairs: breast clothed with hoary hairs: abdomen clothed with black hairs at the tip: legs tawny and clothed with short tawny bristles; thighs towards the base and hips black, clothed with long white hairs; feet piceous towards the tips: wings pale gray,

brown at the base and along the fore borders to the tips, and for one-third of the breadth; wing-ribs and veins black, the latter black towards the tips; poisers bright yellow. Length of the body 3 lines; of the wings 6 lines.

a. Swan River. Presented by Sir J. Richardson.

Bombylius sulphureus, *Fabr. Syst. Antl.* 133, 20. *Meig. Dipt.* ii. 210, 34, *pl.* 18, *f.* 10. *Macq. Hist. Nat. Dipt.* i. 383, 23. B. flavus, *Meig. Klass. Zweif.* i. 184, 13.

a. South of France. Presented by F. Walker, Esq.

b. ——— ?

Bombylius antecedens, n. s., mas. *Niger, pilis canis vestitus, capite setis nigris armato, antennis pedibusque nigris, alis subcinereis.*

Body black, thickly clothed with long shining hoary hairs: eyes red: front and clypeus thickly beset with black bristles: mouth much more than half the length of the body; lip black: feelers black; first joint linear; second joint not half the length of the first; third joint much longer than the first and the second; straight beneath, forming an obtuse angle above, where it is furnished with some long black hairs: legs black, clothed with some very short black hairs: wings tinged with gray; fore borders slightly tinged with tawny colour; wing-ribs and veins piceous, the latter black towards the tips; poisers yellow, very long, with black knobs. Length of the body 2 lines; of the wings 5 lines.

a. New Holland. From Mr. Lambert's collection.

** *Cross-veins along the hind border of the wing forming an unbroken line.*

Bombylius histrio, n. s., mas. *Niger, scutello rufo, pectore cinereo abdomine fasciis interruptis rufis, antennis nigris apice piceis, pedibus ferrugineis, tarsis piceis, alis limpidis, basi ferrugineis fuscoque fasciatis.*

Head black, clothed with tawny hairs, having a small tuft of short black bristles about the eyelets, and a larger tuft of longer black hairs about the feelers which are black; first joint linear; second joint not half the length of the first; third joint piceous, very small; fourth joint much longer than all the preceding joints, spindle-shaped for about half its length, and thence narrower and slightly tapering to the tip: mouth black, much more than half the length of the body: eyes bronze: chest black, clothed especially on each side with tawny hairs; scutcheon red: breast gray, clothed

with pale yellow hairs: abdomen black, clothed on each side with long tawny hairs, and having a few black hairs towards the tip; along the hind borders of the segments are red bands interrupted in the middle, they are less apparent beneath: legs ferruginous, with but few hairs and bristles; feet piceous towards the tips: wings colourless, bright tawny at the base, near which there is a broad blackish brown band; wing-ribs piceous; veins ferruginous, paler where they cross the tawny colour, piceous towards the tips; poisers tawny. Length of the body 6 lines; of the wings 16 lines.

a. ——— ?

PHTHIRIA, *Meigen.*

A. *Two submarginal areolets.*

PHTHIRIA minuta, *Latr. Gen. Crust.* iv. 314. *Cons. Gén.* 443. *Meig. Dipt.* ii. 219, 2. *Macq. Hist. Nat. Dipt.* i. 393, 3. Volucella minuta, *Fabr. Syst. Antl.* 115, 6.
a. France.

PHTHIRIA pulicaria, *Meig. Dipt.* ii. 219, 3. *Macq. Hist. Nat. Dipt.* i. 393, 4. *Zeller, Isis*, 1840, 23, 3. *Zett. Dipt. Scand.* i. 194, 1. *Gim. Bull. Soc. Imp. Nat. Mosc.* 1847, 1, 223, 1. Bombylius pulicarius, *Mik. Monogr.* 58, 14, *pl.* 4, *f.* 14. Volucella pygmæa, *Fabr. Syst. Antl.* 115, 5. V. campestris, *Fall. Dipt. Suec. Bomb.* 11, 1. Phthiria nigra, *Meig. Klass. Zweif.* i. 193, 2. P. pygmæa, *Latr. Gen. Crust.* iv. 314.
a. England.

PHTHIRIA scutellaris, *Hoffmansegg, Meig. Dipt.* ii. 220, 4. *Macq. Hist. Nat. Dipt.* i. 393, 2.
a. South of France. Presented by F. Walker, Esq.

B. *Three submarginal areolets, but the cross-vein is partly wanting, and the division is incomplete.*

PHTHIRIA punctipennis, n. s., mas. et fem. *Fusca* (mas.) *aut fulva* (fem.) *capite albo maculis fuscis ornato, abdomine* mari *fasciis nonnullis albis, antennis pedibusque fulvis, tibiis apice tarsisque piceis, alis subcinereis fusco maculatis.*

Male.—Body brown: head white, shining brown on the crown, and with two brown spots on each side: eyes red: lip black, longer

than the body: feelers dark tawny; first and second joints very short; third joint linear, rather broader than the first and the second, and much more than twice their length: chest with a broad yellowish white stripe on each side, and some slight traces of stripes on the back: breast partly ferruginous: abdomen with a yellowish white band on the hind border of each segment: legs tawny; feet and tips of the shanks piceous; wings slightly gray, each with nine or ten brown spots; fore borders brown from the middle to the tips; wing-ribs and veins piceous, the latter black towards the tips; poisers yellow. *Fem.*—Like the male, but of a bright tawny colour where the male is brown: abdomen dark tawny; bright tawny at the base: legs paler: wings with fewer and smaller spots. Length of the body $\frac{3}{4}$—$1\frac{3}{4}$ line; of the wings $2\frac{1}{2}$—6 lines.

a. Georgia. From Mr. Abbot's collection.

Geron, *Hoffmansegg.*

Geron holosericeus, n. s., mas. *Niger, pilis albis cinereisque vestitus, antennis pedibusque nigris, tibiis ferrugineis, alis limpidis.*

Body black: head thickly clothed with white hairs behind, and adorned with silvery down on the front: eyes red: lip black, more than half the length of the body: feelers black; first and second joints clothed with pale yellow hairs; second joint not half the length of the first; third joint spine-shaped, or tapering from the base to the tip, much longer than the first and the second joints: fore part of the chest very thickly clothed with long hoary hairs: abdomen covered with short gray hairs: legs black, beset with short black bristles; shanks dark ferruginous, black at the tips: wings colourless; wing-ribs ferruginous; veins black, ferruginous at the base; poisers tawny, with bright yellow knobs. Length of the body $2\frac{1}{2}$ lines; of the wings 5 lines.

a. Georgia. From Mr. Abbot's collection.
b. ——— ? From Mr. Children's collection.

Usia, *Latreille.*

Usia ænea, *Latr. Gen. Crust.* iv. 315, *pl.* 15, *f.* 2. *Meig. Dipt.* ii. 226, 2, *pl.* 18, *f.* 21. *Macq. Hist. Nat. Dipt.* i. 383, 1, *pl.* 9, *f.* 11, 12. Volucella florea, *Meig. Klass. Zweif.* i. 194, 1.
a. France.

Usia atrata, *Meig. Dipt.* ii. 227, 3. *Macq. Hist. Nat. Dipt.* i. 384, 5. Volucella atrata, *Fabr. Ent. Syst. Supp.* 570. *Syst. Antl.* 114, 2. *Meig. Klass. Zweif.* i. 195, *a.*
a. Sicily.

Ploas, *Fabricius.*

Ploas virescens, *Fabr. Syst. Antl.* 136, 1. *Latr. Hist. Nat. Cr. et Ins.* xiv. 300. *Gen. Crust.* iv. 312, *pl.* 15, *f.* 7. *Cons. Gén.* 443. *Lam. Anim. sans Vert.* iii. 408, 1. *Meig. Dipt.* ii. 231, 1, *pl.* 19, *f.* 6. *Macq. Hist. Nat. Dipt.* i. 385, 1, *pl.* 9, *f.* 13. Bombylius virescens, *Fabr. Ent. Syst.* iv. 413, 18. *Gmel. Ed. Syst. Nat.* v. 2903, 12. *Meig. Klass. Zweif. pl.* 10, *f.* 17, 190, *k.* B. maurus, *Mikan, Monogr.* 56, 13, *pl.* 4, *f.* 13. Conophorus maurus, *Meig. Klass. Zweif.* i. 191, 1.
a. France.

Ploas grisea, *Meig. Dipt.* ii. 232, 2. *Macq. Hist. Nat. Dipt.* i. 385, 2. Bombylius griseus, *Fabr. Ent. Syst.* iv. 413, 16. *Syst. Antl.* 135, 29. *Meig. Klass. Zweif.* i. 190, 1.
a. South of France. Presented by F. Walker, Esq.
b. Paris. Presented by F. Walker, Esq.

Cyllenia, *Latreille.*

A. *Three submarginal areolets.*

B. *Two submarginal areolets.*

Cyllenia Ægiale, n. s., mas. et fem. *Nigra, pilis canis vestita, capite albo, abdomine piceo, antennis nigris, pedibus nigro-piceis, alis subcinereis fusco maculatis.*

Body black, thickly clothed with hoary hairs: head a little narrower than the chest, white behind and beneath, and thickly clothed with white hairs; clypeus and sides of the crown covered with black hairs: eyes dark red: lip black, hairy, as long as the chest; palpi long, black, hairy, nearly half the length of the lip: abdomen linear, piceous, a little narrower than the chest, and rather less than half its length, paler and with a ferruginous tinge beneath: feelers black, hairy: legs black, beset with short black bristles; hips and thighs piceous, and covered with white hairs: wings slightly gray; the fore borders brown for three-fourths of the length; six small brown spots on the disk clouding the cross-veins; wing-ribs and veins piceous, the latter black towards the tips; poi-

sers yellow, with ferruginous knobs. *Female.*—A little larger than the male; spots on the wings more indistinct. Length of the body 4—5 lines; of the wings 9—11 lines.

a. Georgia. From Mr. Abbot's collection.

Cyllenia aberrans, n. s., mas. *Nigra, abdomine albo fasciato pilisque longissimis albis ciliato, antennis pedibusque nigris, alis basi nigro-fuscis apice limpidis.*

Eyes of the male remote from each other: wings with three areolets at the base and one along the fore border, and having also three close areolets in the disk of the wing, and nine that open to the tip and to the hind border; of the close areolets, the upper one is long and narrow, the two lower are shorter and broader, and one of them is half subdivided by an imperfect vein that extends into its disk; of the open areolets, the first and the second, reckoning from the base of the wing, are seated successively beneath one of the lower close areolets; the third is seated beneath the other lower close vein, which is subdivided, the fourth and the fifth are alongside it; the sixth is alongside of the upper close areolet, which it resembles in shape; the seventh is divided from the eighth, and the eighth from the ninth by two successive forks of the vein, which forms the lower side of all the three. Body black, clothed with black hairs: head very hairy, having a few short white hairs in front: eyes red: feelers and mouth black: abdomen with very long white hairs on each side, clothed with long black hairs at the tip, and having a band of short white hairs on each segment from the first to the fourth: legs black, clothed with black hairs: wings blackish brown from the base to beyond the middle; the rest colourless; the brown part is somewhat paler towards the hind border of the wing, and its outline thence to the fore border is slightly oblique and irregular; wing-ribs and veins piceous, the latter black towards the tips; poisers piceous. Length of the body 3 lines; of the wings 7 lines.

a. ——— ?

Toxophora, *Wiedemann.*

A. *Meig. Dipt.* ii. *pl.* 19, *f.* 14. *One marginal and three submarginal areolets.*

Toxophora maculata, *Wied. Zool. Mag.* i. 2, 8. *Meig. Dipt.* ii. 237, 1, *pl.* 19, *f.* 15. *Macq. Hist. Nat. Dipt.* i. 387, 1, *pl.* 9, *f.* 16. *Gim. Bull. Soc. Imp. Nat. Mosc.* 1847, 1, 223, 1. Asilus fasciculatus, *Vill. Ent.* 3, 10, 31.

a. Valence, South of France. From Mr. Walker's collection.

TOXOPHORA Zilpa, n. s., mas. *Nigra, pilis aureis supra argenteisque subtus ornata, abdomine trivittato, antennis pedibusque nigris albo pilosis, alis cinereis, ad costam fulvo-fuscis.*

Body black: head clothed behind with golden hairs, adorned about the mouth with silvery down: eyes red, with a bronze tinge: lip black, about half the length of the feelers: feelers black, about half the length of the body, clothed with very short black hairs, and adorned beneath with white down: chest clothed with golden hairs: breast curved with silvery down: abdomen adorned with golden hairs which form three stripes joined together by bands towards the tip; under-side dark gray; hind borders of the segments clothed with silvery hairs: legs black; thighs and shanks adorned with white down; shanks armed with many black spines: wings dark gray, dark brown beneath the fore borders, which are dark tawny; cross-veins slightly clouded; wing-ribs and veins piceous, the latter black towards the tips; poisers pale tawny, with yellowish white knobs. Length of the body 4 lines; of the wings 5 lines.

a. China. Presented by G. T. Lay, Esq.

B. *One marginal and two submarginal areolets.*

TOXOPHORA fulva, *G. R. Gray, Griff. Anim. Kingd.* xv. *Ins.* 2, *pl.* 128, *f.* 5, 779. T. leucopyza? *Wied. Auss. Zweif.* i. 361, 2. *Macq. Dipt. Exot.* ii. 1, 117, 1, *pl.* 13, *f.* 1.

a. Georgia. From Mr. Abbot's collection.

C. *Two marginal and two submarginal areolets.*

TOXOPHORA Amphitea, n. s., mas. *Nigra, pilis fulvis vestita, capite pectoreque cano pilosis, abdominis vittis tribus ventreque argenteis, antennis pedibusque nigris, alis cinereis basi fuscis.*

Body black: head thickly clothed behind with hoary hairs, and adorned at the base of the feelers with a tuft of pale shining yellow hairs: eyes dark red: lip black, slender, a little longer than the feelers, and about half the length of the body: feelers black, clothed above with black hairs and beneath with white hairs: first joint very long; second joint not one-fourth of the length of the first; third joint like a spine, tapering from the base to the tip, nearly twice the length of the second: chest thickly clothed with tawny hairs, and beset in front with black bristles: breast covered with hoary down: abdomen adorned with three stripes of silvery down; middle stripe narrow and entire; side stripes broader and slightly interrupted on the fore borders of the segments; under-side covered with silvery

down: legs black, clothed with short black hairs; hips and thighs adorned with silvery down; thighs beset with black bristles: wings gray, brown for one-third of the length from the base, and especially along the fore borders; wing-ribs piceous; veins black; poisers tawny. Length of the body $2\frac{1}{2}$ lines; of the wings 5 lines.

a. St. John's Bluff, Florida. Presented by E. Doubleday, Esq.

D. *One marginal and two submarginal areolets, and an indication of the third, but part of the cross-vein is wanting. Veins at the tip of the wing very much contorted.*

TOXOPHORA ægeriiformis. Lepidophora ægeriiformis, *Westwood, Lond. and Edin. Phil. Mag.* vi. 447, 1. Ploas ægeriiformis, *G. R. Gray, Griff. Anim. Kingd.* xv. *Ins.* 2, 179, *pl.* 128, *f.* 6.

a. Georgia. From Mr. Abbot's collection.

Fam. VII. ASILICI.

actually VIII!

DIOCTRIA, *Fabricius.*

DIOCTRIA Œlandica, *Fabr. Syst. Antl.* 149, 1. *Latr. Gen. Crust.* iv. 300. *Cons. Gén.* 443. *Lam. Anim. sans Verteb.* iii. 405, 1. *Fall. Dipt. Suec. Asil.* 6. *Meig. Klass. Zweif.* ii. 256. *Dipt.* ii. 241. *Macq. Dipt. Nord. Asil.* 14, 1. *Hist. Nat. Dipt.* i. 289, 1, *pl.* 7, *f.* 5. *Zeller, Isis,* 1840, 35, 1. *Loew, Prog.* 1840, 14, 1. *Isis,* 1840, 534, 1. *Linn. Ent.* ii. 410, 1. *Zett. Dipt. Scand.* i. 182, 1. Asilus Œlandicus, *Linn. Faun. Suec.* 1916. *Syst. Nat.* xii. 1008, 15. *Gmel. Ed. Syst. Nat.* v. 2900, 15. *Fabr. Sp. Ins.* ii. 465, 31. *Ent. Syst.* iv. 388, 53. *Geoff. Ins.* ii. 470, 8. *Herbst, Gem. Nat.* viii. 119, *t.* 346, *f.* 5. *Schrank. Faun. Boic.* iii. 2551. *Ins. Austr.* 995.

a. England.
b. France.

DIOCTRIA atricapilla, *Meig. Klass. Zweif.* i. 256, 4. *Dipt.* ii. 253, 25. *Fall. Dipt. Suec. Asil.* 7, 4. *Germ. et Ahr. Faun.* ii. 23. *Macq. Dipt. Nord. Asil.* 21, 15. *Loew, Linn. Ent.* ii. 413, 3. D. atrata, *Meig. Dipt.* ii. 254, 26. D. nigripes, *Meig. Klass.* i. 257, 5. *Dipt.* ii. 246, 10. *Macq. Hist. Nat. Dipt.* i. 291, 7. D. Fallenii, *Meig. Dipt.* ii. 246, 11. D. fuscipennis, *Fall. Dipt. Suec. Asil.* 7, 5. *Zeller, Isis,* 1840, 35, 2. *Loew, Prog.* 1840, 14, 3. *Isis,* 1840, 534, 3. *Zett. Dipt. Scand.* i. 184, 4. Var.

rufimana, *Loew*, *Prog.* 1840, 14, 4. *Isis*, 1840, 535, 4. Var. geniculata, *Loew*, *Prog.* 1840, 14, 5. *Isis*, 1840, 535, 5. D. geniculata, *Meig. Dipt.* ii. 243, 5? *Loew*, *Linn. Ent.* ii. 413, 3. D. fuscipes, *Macq. Hist. Nat. Dipt.* i. 292, 15. *Meig. Dipt.* vii. 70, 30.
a. England.

Dioctria geniculata, *Meig. Dipt.* ii. 243, 5.
a. Ukraine. Presented by Dr. Dowler.

Dioctria cothurnata, *Meig. Dipt.* ii. 244, 6. *Loew*, *Linn. Ent.* ii. 420, 7. D. umbellatarum, *Meig. Dipt.* ii. 244, 7.
a. ———? From Mr. Children's collection.

Dioctria Gagates, *Meig. Dipt.* ii. 248, 14. *Loew*, *Linn. Ent.* ii. 417, 5. D. semihyalina, *Hoffmansegg*, *Meig. Dipt.* ii. 254, 27.
a. England.

Dioctria rufipes, *Meig. Dipt.* ii. 242, 3. *Macq. Dipt. Nord. Asil.* 15, 2. *Hist. Nat. Dipt* i. 290, 3. *Zett. Dipt. Scand.* i. 183, 2. *Loew*, *Linn. Ent.* ii. 425, 9. Asilus rufipes, *Deg. Ins.* vi. 97, 6, *t.* xiv. 2. A. frontalis, *Fabr. Ent. Syst.* iv. 388, 55. Dioctria frontalis, *Fabr. Syst. Antl.* 150, 5. *Latr. Gen. Crust.* iv. 300. *Meig. Klass.* i. 257, 7. *Lam. Anim. sans Verteb.* iii. 405, 2. D. flavipes, var. β., *Fall. Dipt. Suec. Asil.* 7, 2.
a. England.
b. France.

Dioctria flavipes, *Meig. Klass.* i. 257, 2. *Fall. Dipt. Suec. Asil.* 7, 2. Var. *a*. et γ., *Macq. Dipt. Nord. Asil.* 15, 3. *Hist. Nat. Dipt.* i. 290, 4. *Zett. Dipt. Scand.* i. 183, 3. *Loew*, *Linn. Ent.* ii. 426, 10. Asilus hyalipennis, *Fabr. Ent. Syst.* iv. 388, 54. Dioctria hyalipennis, *Fabr. Syst. Antl.* 150, 4. *Lam. Anim. sans Verteb.* iii. 405, 3. D. varipes, *Meig. Dipt.* ii. 245, 8. *Macq. Dipt. Nord. Asil.* 16, 4. *Hist. Nat. Dipt.* i. 290, 5. D. frontalis, *Meig. Dipt.* ii. 247, 12. *Macq. Hist. Nat. Dipt.* i. 291, 8. D. rufipes, *Zeller*, *Isis*, 1840, 38, 4. *Loew*, *Isis*, 1840, 535 (excl. var.) *Prog.* 14, 6 (excl. var.)
a. Aix la Chapelle. From Mr. Walker's collection.
b. ———? From Mr. Children's collection.

Dioctria Baumhaueri, *Meig. Dipt.* ii. 245, 9. *Macq. Dipt. Nord. Asil.* 16, 5. *Hist. Nat. Dipt.* i. 290, 6. *Loew*, *Linn. Ent.* ii. 429, 11.
a. South of France. From Mr. Walker's collection.
b. Aix la Chapelle. From Mr. Walker's collection.

Dioctria lateralis, *Meig. Klass.* i. 258, 8, ex. p. *Dipt.* ii. 249, 16. *Macq. Dipt. Nord. Asil.* 18, 10. *Hist. Nat. Dipt.* i. 291, 11. *Loew, Prog.* 1840, 14, 7. *Isis*, 1840, 536, 7. *Linn. Ent.* ii. 435, 14. Asilus hæmorrhoidalis, *Meig Klass.* i. 270. Dioctria hæmorrhoidalis, *Meig. Dipt.* ii. 250, 18. *Macq. Dipt. Nord. Asil.* 19, 13. *Hist. Nat. Dipt.* i. 292, 13. *Zeller, Isis*, 1840, 41, 6.
a. France.

Dioctria cyanea, *Fabr. Syst. Antl.* 150, 3. *Wied. Auss. Zweif.* i. 366, 5. Asilus cyaneus, *Fabr. Mant. Ins.* ii. 361, 35. *Ent. Syst.* iv. 387, 52.
a. South Africa. Presented by Dr. A. Smith.

Dioctria Albius, n. s. *Nigra, thorace aureo bivittato, abdomine nigro-cupreo, antennis pedibusque nigris, alis cinereis.*

Body black, slender: head a little broader than the chest, covered with hoary down, which blends with the golden down on the front: tubercle of the eyelets and hind part of the head beset with long black hairs; clypeus armed with long black bristles: eyes bronze; fore part hardly flat, its facets blending as to size with those of the other part: lip black: feelers black; first and second joints slightly club-shaped, of equal length, clothed with black hairs; third joint spindle-shaped, not so long as the first and the second; fourth joint conical, very small: chest adorned with golden down, which forms two bright irregular stripes on each side, and covers in a less degree the whole back; the latter is also clothed with a few long tawny hairs: breast deep black, adorned with patches of white down: abdomen dark cupreous, shining, narrower than the chest, and rather more than twice its length: legs black, clothed with yellow down and long tawny hairs; hips adorned with white down; claws black; foot-cushions pale tawny: wings gray; wing-ribs and veins piceous, the latter black towards the tips; poisers tawny. Length of the body $3\frac{1}{2}$ lines; of the wings $6\frac{1}{2}$ lines.
a. New York. Presented by E. Doubleday, Esq.

Dasypogon, *Fabricius.*

European Species.

A. *Fore shanks with tip-spines. Meig. Dipt.* ii. 258, *pl.* 10, *f.* 10, *a. Loew, Linn. Ent.* ii. 439.

Group I. Saropogon, *Loew, Linn. Ent.* ii. 439.

Group II. Dasypogon, *Loew*, *Linn. Ent.* ii. 448.

Dasypogon teutonus, *Fabr. Syst. Antl.* 165, 10. *Latr. Gen. Crust.* iv. 300. *Meig. Dipt.* ii. 258, 1. *Macq. Dipt. Nord. Asil.* 22, 1. *Hist. Nat. Dipt.* i. 293, 2. *Zeller*, *Isis*, 1840, 43. *Loew*, *Linn. Ent.* ii. 448, 5. Asilus teutonus, *Linn. Syst. Nat. ed.* xii. 1008, 11. *Gmel. Ed. Syst. Nat.* v. 2898, 11. *Fabr. Sp. Ins.* ii. 465, 27. *Ent. Syst.* iv. 385, 43. *Schæff. Icon. t.* 8, *f.* 13. *Schrank. Faun. Boic.* iii. 2549. *Ins. Austr.* 994. *Panz. Faun. Germ.* i. 11. Asilus &c., *Geoff. Ins.* ii. 469, 7.

a. France.
b. South of France. From Mr. Walker's collection.
c. Polish Ukraine. Presented by Dr. Dowler.
d. Albania. Presented by W. W. Saunders, Esq.
e. Albania. From Mr. Walker's collection.

Dasypogon punctatus, *Fabr. Syst. Antl.* 165, 5. *Latr. Gen. Crust.* iv. 299. *Cons. Gén.* 443. *Meig. Klass. Zweif.* i. 251, 2. *Dipt.* ii. 260, 4. *Macq. Dipt. Nord. Asil.* 23, 2. *Hist. Nat. Dipt.* i. 293, 1. *Zeller*, *Isis*, 1840, 43, *ex. p.* Asilus punctatus, *Fabr. Sp. Ins.* ii. 463, 15. *Ent. Syst.* iv. 381, 23. *Gmel. Ed. Syst. Nat.* v. 2897, 25. *Panz. Faun. Germ.* xlv. 24. *Lam. Anim. sans Verteb.* iii. 404, 4. Asilus diadema, *Fabr. Sp. Ins.* ii. 462, 11. *Ent. Syst.* iv. 379, 16. *Gmel. Ed. Syst. Nat.* v. 2897, 22. *Panz. Faun. Germ.* xlv. 23. Dasypogon diadema, *Fabr. Syst. Antl.* 164, 3. *Loew*, *Linn. Ent.* ii. 449, 6. D. nervosus, *Panz. Faun. Germ.* cv. 9. *Meig. Klass. Zweif.* i. 252, 3.

a. England.
b. France.
c. South of France. From Mr. Walker's collection.
d. Albania. Presented by W. W. Saunders, Esq.
e. Malaga.

Dasypogon sabaudus, *Meig. Dipt.* ii. 265, 10. *Macq. Hist. Nat. Dipt.* i. 294, 7. *Loew*, *Linn. Ent.* ii. 461, 13. Asilus sabaudus, *Fabr. Ent. Syst.* iv. 385, 40. *Meig. Klass. Zweif.* i. 268, *k.* Dioctria sabauda, *Fabr. Syst. Antl.* 150, 2.

a. South of France. Presented by the Entomological Club.
b. Albania. From Mr. Walker's collection.

B. *Fore shanks without tip-spines.* *Loew*, *Linn. Ent.* ii. 453.

a. *Body lengthened.* *Loew*, *Linn. Ent.* ii. 453.

Group III. Stenopogon, *Loew*, *Linn. Ent.* ii. 453.

Dasypogon elongatus, *Meig. Dipt.* ii. 265, 11. *Macq. Hist. Nat.*

Dipt. i. 295, 11. *Loew*, *Linn. Ent.* ii. 456, 10. Asilus elongatus, *Meig. Klass.* i. 248, 9.
a. South of France. Presented by the Entomological Club.

Group IV. HABROPOGON, *Loew*, *Linn. Ent.* ii. 463.

Group V. XIPHOCERUS, *Loew*, *Linn. Ent.* ii. 470.

DASYPOGON glaucius, *Loew*, *Linn. Ent.* ii. 470, 16. Asilus glaucius, *Rossi*, *Faun. Etrusc.* ii. 327, 1565, *t.* ix. 4. *Fabr. Ent. Syst.* iv. 386, 46. *Meig. Klass.* i. 269. Laphria glaucia, *Fab. Syst. Antl.* 163, 30. *Meig. Dipt.* ii. 303, 31. Dasypogon variegatus, *Wied. Zool. Mag.* ii. 32. *Dipt. Exot.* i. 226, 22. *Auss. Zweif.* i. 396, 48.
a. Albania. From Mr. Walker's collection.
b. (Var. legs red). Albania. From Mr. Walker's collection.

Group VI. HOLOPOGON, *Loew*, *Linn. Ent.* ii. 473.

Group VII. ERIOPOGON, *Loew*, *Linn. Ent.* ii. 487.

Group VIII. HETEROPOGON, *Loew*, *Linn*, *Ent.* ii. 488.

Group IX. ISOPOGON, *Loew*, *Linn. Ent.* ii. 492.

DASYPOGON brevirostris, *Meig. Dipt.* ii. 273, 24. *Curt. Brit. Ent.* 153. *Macq. Dipt. Nord. Asil.* 25, 6. *Hist. Nat. Dipt.* i. 298, 20. *Zett. Dipt. Scand.* i. 179, 4. *Loew*, *Linn. Ent.* ii. 493, 28. Dioctria brevirostris, *Meig. Klass. Zweif.* i. 255, 1, *t.* 13, *f.* 16, 17. Dasypogon armillatus, *Fall. Dipt. Suec. Asil.* 12, 3, ♀. D. longitarsis, *Fall. Dipt. Suec. Asil.* 13, 4, ♂.
a. England.
b. Clermont, Auvergne. Presented by the Entomological Club.

Group X. OLIGOPOGON, *Loew*, *Linn. Ent.* ii. 497.

Group XI. STICHOPOGON, *Loew*, *Linn. Ent.* ii. 499.

Group XII. LASIOPOGON, *Loew*, *Linn. Ent.* ii. 508.

Group XIII. CYRTOPOGON, *Loew*, *Linn. Ent.* ii. 516.

DASYPOGON ruficornis, *Meig. Dipt.* ii. 269, 17. *Macq. Hist. Nat. Dipt.* i. 296, 14. *Zeller*, *Isis*, 1840, 44. *Loew*, *Linn. Ent.* ii. 517, 38. Asilus ruficornis, *Fabr. Ent. Syst.* iv. 380, 20. *Syst. Antl.* 155, 9. *Meig. Klass.* i. 266.
a. France.

DASYPOGON lateralis, *Fall. Dipt. Suec. Asil.* 12, 2. *Meig. Dipt.* ii. 276, 27. *Macq. Hist. Nat. Dipt.* i. 298, 21. *Zett. Ins. Lapp.* 509, 2. Var. *a. Dipt. Scand.* i. 177, 2. *Loew, Linn. Ent.* ii. 523, 41.
a. France.

Group XIV. ANAROLIUS, *Loew, Linn. Ent.* ii. 524.

b. *Body broad. Loew.*

Group XV. ACNEPHALUM, *Loew, Linn. Ent.* ii. 525.

Group XVI. PYCNOPOGON, *Loew, Linn. Ent.* ii. 526.

DASYPOGON fasciculatus, *Loew, Linn. Ent.* ii. 527, 44.
a. Albania. Presented by W. W. Saunders, Esq.

Group XVII. CROBILOCERUS, *Loew, Linn. Ent.* ii. 533.

Exotic Species.

Group I.

DASYPOGON Vica, n. s., mas. et fem. *Ater, pilis nigris vittatus, fronte rufo-fusco, pedibus nigris, alis nigris cyaneo purpureo aut viridi micantibus.*

Body deep velvet-like black, clothed with short black hairs: head a little narrower than the chest, beset behind with black bristles, and thickly clothed beneath with long black hairs: front reddish brown, crossed by several furrows near the clypeus, which is armed with numerous long black bristles: eyes bronze-black, flat or very slightly concave in front, where the facets are larger and the boundary between the two parts is very distinct: lip black, about twice the length of the head, its tip clothed with short tawny hairs; palpi black and thickly clothed with long black hairs and bristles: neck rather long, with a cross furrow, reddish brown in front: chest beset with black bristles on each side and behind: abdomen flat, decreasing in breadth from the base to the tip, narrower than the chest, and about twice its breadth, shining towards the tip, which is armed with short black spines: legs black, clothed with black hairs and bristles, which are most frequent on the feet; claws black; foot-cushions tawny: wings black, adorned with bright blue or green or purple lustre, or with these colours intermingled; wing-ribs and

veins black; poisers piceous. Length of the body 13—15 lines; of the wings 24—26 lines.

a. Silhet. From the Rev. J. Stainforth's collection.

DASYPOGON Rhypæ, n. s., mas. et fem. *Ater, capite ferrugineo, abdomine rufo, antennis nigris, pedibus rufis, coxis genubusque nigris, tarsis piceis, alis cyaneo-nigris.*

Body deep velvet-like black: head much narrower than the chest, dark ferruginous and clothed with red hairs behind and beneath, beset with black bristles behind and on the crown; front covered with ferruginous down; clypeus beset with long black hairs and bristles: eyes dark bronze, fore part slightly concave, composed of rather large facets, and very distinct from the other part: lip black, about twice the length of the head: feelers piceous; first and second joints slightly clothed with black hairs; second joint slightly club-shaped, a little shorter than the first; third joint nearly linear, rather narrow at the base, conical at the tip, very much longer than the first and the second joints: neck rather long: sides and hind part of the chest beset with black hairs and bristles: breast clothed with black and pale red hairs: abdomen red, flat, decreasing in breadth from the base to the tip, narrower than the chest and not twice its length, thickly covered above and beneath with red hairs: legs red, thickly clothed with red hairs; hips, trochanters and knees black; thighs and shanks with a very few red bristles; feet piceous towards the tips, thickly beset with black bristles; claws black; foot-cushions tawny: wings black and adorned with bright blue lustre; wing-ribs and veins black; poisers piceous. Length of the body 14 lines; of the wings 22 lines.

a. Silhet. From Mr. Stainforth's collection.
b. Silhet. From Mr. Sowerby's collection.

DASYPOGON Polygnotus, n. s., mas. et fem. *Niger, thorace cinereo vittis quatuor fuscis, abdomine rufo-fusco, antennis nigris articulo 3º piceo, pedibus nigris, alis subnigris.*

Body black, dull: head hardly as broad as the chest, covered with a hoary bloom, beset on the crown and along the rims of the eyes with black bristles, clothed behind and beneath with hoary hairs; front covered with close shining whitish tawny down; clypeus armed with some black and yellow hairs, and with six very stout and long black bristles: eyes dark bronze, convex; fore part flat and composed of large facets, but the difference of the facets in the two parts is not so closely defined as in some other species, and they blend in size without any distinct boundary line: lip black, stout, its tip clothed with a cluster of short yellow hairs; palpi

black, beset with black hairs, and at their tips with long black bristles: feelers black; first and second joints clothed with black bristles; second joint a little longer than the first; third joint piceous, very long, spindle-shaped, longer than the first and the second joints: neck covered with a gray bloom, clothed beneath with white hairs, and having a fringe of black bristles on its cross-furrow: chest covered with a gray bloom, on which are four indistinct broad brown stripes; sides beset with black bristles: breast hoary: abdomen of the male dark reddish brown, thinly clothed with yellow hairs, nearly cylindrical, narrowest in the middle, much narrower than the chest and rather more than twice its length, clothed with long white hairs on each side of the base; fore borders of the fourth and fifth segments shining and punctured; tip dark ferruginous, shining, beset with long yellow hairs and black bristles: abdomen of the female not narrower in the middle, shining, and with numerous little cross-furrows towards the tip, which is armed with a circlet of black spines: legs black, beset with yellow hairs and black spines; hips hoary and clothed with white hairs; claws black, with a short blunt tooth towards the base beneath, almost straight till near their tips, which are much curved; pulvilli dark tawny; fore legs unarmed: wings blackish; wing-ribs and veins black; poisers yellow. Length of the body 13—15 lines; of the wings 24—26 lines.

a. Silhet. From Mr. Stainforth's collection.

Dasypogon Aphidas, fem. Microstylum rufiventre? *Macq. Dipt. Exot.* i. 2, 31, 10. *Niger, ferrugineo pubescens, abdomine rufo, antennis pedibusque nigris, tibiis tarsisque basi piceis, alis nigrofuscis.*

Body black: head a little narrower than the chest, covered with deep ferruginous down, clothed behind and thickly beneath with black hairs, and beset behind the eyes with a row of black bristles; sides of the crown furnished with a few black hairs and bristles; clypeus armed with four long pale yellow spines: eyes black; some of the facets coppery; fore part slightly convex, beset with larger facets than those of the other part: lip black, clothed at the tip with short tawny hairs; palpi black, beset with black hairs and bristles: feelers black; first joint linear, covered with a few black hairs; second joint club-shaped, as long as the first, beset with some black bristles; third joint piceous, spindle-shaped, much longer than the first and the second: chest and breast covered with very dark ferruginous bloom; the former beset across the neck on each side and behind with some black hairs and bristles: abdomen red, shining, crossed by numerous little furrows, piceous at the base,

narrower than the chest, and nearly twice its length, tapering from the base to the tip, where it is clothed with some short tawny hairs, and armed with a circlet of short black spines; a pale tawny stripe on each side of the third, fourth, and fifth segments; middle of the third segment crossed by some rows of little punctures; first and second segments short; third and following segments long, but successively decreasing in length: legs black, clothed with very short black hairs and armed with black spines; thighs and shanks crossed by numerous little furrows; shanks and feet piceous or very dark red at the base; claws black; foot-cushions pale brown; fore shanks unarmed: wings dark brown; wing-ribs piceous; veins black; poisers dark tawny. Length of the body 12 lines; of the wings 18 lines.

a. ——— ?

Dasypogon Balbillus, n. s. *Niger, abdomine apice rufo, antennis pedibusque nigris, alis subfulvis.*

Body dull black: head hardly as broad as the chest, thinly clothed beneath with black hairs; clypeus armed with eight very long and some shorter pale yellow bristles: eyelets piceous: eyes black, convex, flat in the front, where the facets are large, but these as usual decrease in size as they diverge towards the outer part, which is composed of very small facets: lip black, rather long; its tip clothed with short yellow hairs; palpi also rather long, clothed with black hairs and beset at the tips with long piceous bristles: first and second joints of the feelers black, beset with black hairs; second joint shorter than the first; rims of the eyes beset with black bristles above and behind: chest and breast black, somewhat piceous on the borders of the sutures; sides of the chest beset with black bristles: abdomen cylindrical, much more than twice the length of the chest, decreasing in breadth from the base to the tip, thinly clothed with very short black hairs: first segment very short: second segment rather short, somewhat gibbous; third segment long; the following segments to the tip successively decreasing in length; sixth and following segments red; tip armed with black spines: legs black, clothed with tawny hairs; shanks and feet beset with black spines, these are most frequent on the feet, which are also more hairy than the shanks; claws black; foot-cushions tawny; fore legs not armed: wings pale tawny; wing-ribs and veins ferruginous; poisers tawny. Length of the body 15 lines; of the wings 25 lines.

a. Nepaul. From the Hardwicke bequest.

Group II.

Dasypogon Serranus, n. s., mas. et fem. *Fuscus, capite fulvo, pectore cinereo, abdomine nigro, antennis pedibusque nigris*, fem. *pedibus piceis, alis fuscis basi et ad costam ferrugineis.*

Head hardly as broad as the chest, very thickly clothed behind and beneath with long bright tawny hairs; crown covered with close dull tawny down and beset with black hairs; front covered with thick, shining, pale yellow down, and crossed by two ridges near the clypeus, which is armed with numerous long pale yellow bristles, and has also some black and yellow hairs: eyes dark bronze colour; the fore part flat, and composed of large facets, which diminish in size as they approach the convex part, and blend with the small facets of the latter: lip rather long, stout, black; a cluster of dark tawny hairs on its tip; palpi black, thickly clothed with black hairs, and also at their tips with black bristles: feelers black; first and second joints of equal length, clothed with black hairs; third joint spindle-shaped, much longer than the first and the second; chest brown, furnished with some black hairs and beset with black bristles on each side and in front of the scutcheon, which also has some bristles: breast black, covered with a gray bloom, and thinly clothed with yellow hairs: abdomen black, clothed with short black hairs, decreasing in breadth from the base to the tip, convex, nearly cylindrical, narrower than the chest, and full twice its length, slightly tapering from the base to the tip; first and second segments short; third segment long; the following segments successively decreasing in length: legs of the male black, clothed with black hairs and bristles; claws black; foot-cushions piceous; fore legs unarmed: wings dark brown, ferruginous at the base and along the fore borders; wing-ribs and veins ferruginous; poisers piceous, tawny towards the base. *Fem.*—Tip of the abdomen armed with a circlet of black spines: legs piceous. Length of the body 10 lines; of the wings 16 lines.

a. Cape. Presented by the Entomological Club.
b. ——— ? From Mr. Children's collection.

Dasypogon capensis, *Wied. Dipt. Exot.* i. 201, 31. *Auss. Zweif.* i. 369, 4. Asilus capensis, *Fabr. Syst. Antl.* 154, 4.
a. South Africa. Presented by Dr. A. Smith.

Group III.

Dasypogon lacteipennis, *Wied. Auss. Zweif.* i. 371, 8.
a. South Africa. Presented by Dr. A. Smith.
b. South Africa. Presented by Dr. Burchell.
c. Cape. Presented by R. W. Townsend, Esq.

Dasypogon afer, *Wied. Auss. Zweif.* i. 374, 13. Microstylum afrum, *Macq. Dipt. Exot.* i. 2, 27, 2.
a. South Africa. Presented by Dr. A. Smith.

Dasypogon Blœsus, n. s., fem. *Fulvus, thoracis disco nigro, lateribus pectoreque ferrugineis, abdomine nigro maculis utrinque ventreque ferrugineis, antennis pedibusque ferrugineis femoribus supra tibiisque posticis dimidio apicali nigris, alis subfuscis, basi margineque postico limpidis.*

Head tawny, nearly as broad as the chest, thickly clothed behind with yellow hairs, and more thickly beneath with white hairs; crown thinly covered with tawny hairs; front and clypeus adorned with yellowish white down, the latter very thickly beset with yellow bristles; hypostoma ferruginous: eyes black, rather large; fore part flat, distinct from the other part, and with much larger facets: lip black, thickly clothed at the tip with pale tawny hairs; palpi bright tawny, thickly beset with tawny hairs and bristles: first and second joints of the feelers ferruginous, with piceous tips, of nearly equal length, clothed with tawny hairs and bristles: chest dull pale ferruginous, thinly clothed with short pale tawny hairs, and beset on each side and behind with pale yellow spines; disk mostly black; sides and breast ferruginous, with a slight hoary bloom, and clothed here and there with white hairs: abdomen ferruginous, tapering from the base to the tip, narrower than the chest and nearly thrice its length, black above, excepting the sides of the hind borders of the segments; first and second segments short; third and following segments long, dotted with bands of little black punctures, successively decreasing in length to the tip, which is armed with a circlet of black spines: legs ferruginous, clothed with short pale yellow hairs and beset with pale yellow spines; feet also beset beneath with short black spines; thighs black above; hind shanks black from the middle to the tips; claws black, tawny towards the base; foot-cushions tawny: wings light brown, mostly colourless at the base and along the hind borders; wing-ribs and veins piceous; poisers tawny, with piceous knobs. Length of the body 12 lines; of the wings 16 lines.

a. South Africa. Presented by Dr. A. Smith.

Dasypogon Saverrio, n. s. *Fulvus, thoracis vittis quatuor piceis, abdomine nigro aut piceo maculis utrinque ventreque plerumque ferrugineis, antennis pedibusque ferrugineis, femoribus supra et metatibiis apice nigris, alis subfuscis basi limpidis.*

Head tawny, nearly as broad as the chest, thickly clothed behind with yellow hairs and more thickly beneath with white hairs;

crown thinly covered with tawny hairs: front and clypeus adorned with yellowish white down, the former clothed on each side with yellowish white hairs, the latter very thickly beset with yellow bristles; hypostoma ferruginous: eyes black, rather large; fore part flat, distinct from the other part and with much larger facets: lip black, rather long, thickly clothed at the tip with pale tawny hairs; palpi bright tawny, thickly beset with tawny hairs and bristles; first and second joints of the feelers ferruginous with piceous tips, of nearly equal length, clothed with tawny hairs and bristles: chest tawny, clothed with short tawny hairs and beset on each side and behind with tawny bristles, adorned with four piceous stripes, of which the inner pair are slender and the outer pair are broad; sides and breast paler, covered with a hoary bloom and clothed with white hairs: abdomen tapering from the base to the tip, narrower than the chest and more than twice its length, black above, ferruginous beneath and on the sides of the segments above from the middle to the hind borders, clothed with short tawny hairs, sometimes piceous and covered with a dark tawny or hoary bloom; segments dotted with cross rows of little black punctures; first and second segments short; third and following segments long, succcessively but slightly decreasing in length to the tip, which is armed with a circlet of short black spines: legs ferruginous, clothed with short pale yellow or white hairs, and armed with pale yellow spines; hips black, clothed with long white hairs; thighs black above; hind shanks black at the tips; tips of the feet blackish; claws black, ferruginous at the base; foot-cushions yellow or tawny: wings very light brown, colourless at the base, reaching when closed nearly to three-fourths of the length or to the last segment of the abdomen; wing-ribs and veins piceous, the latter black at the tips; poisers tawny, their knobs mostly piceous. Length of the body 12 lines; of the wings 16 lines.

Var. β. Abdomen piceous, covered with a dark tawny bloom; sides and under-side covered with a hoary bloom; hind borders of the segments of the under-side ferruginous, and this hue becomes more prevalent towards the tip and occupies the whole of the last segment.

a. South Africa. Presented by Dr. A. Smith.

Dasypogon venosus, *Wied. Dipt. Exot.* i. 215, 1. *Auss. Zweif.* i. 367, 1. Microstylum venosum, *Macq. Dipt. Exot.* i. 2, 27, 1.
a. South Africa. Presented by Dr. A. Smith.

Group. IV.

DASYPOGON subulatus, *Wied. Auss. Zweif.* i. 375, 14.
a. Georgia?

DASYPOGON Ambryon, n. s., fem. *Ferrugineus, fulvo pubescens, abdominis apice piceo, antennis piceis apice nigris, pedibus ferrugineis, alis fuscis, venarum marginibus sublimpidis.*

Body ferruginous: head much narrower than the chest, covered with dull pale yellow down, thickly clothed with pale yellow hairs behind, and with whitish hairs beneath; crown covered with dark tawny down, and beset on each side with black bristles; clypeus armed with many long pale yellow spines: eyes black; fore part slightly convex, its facets very little larger than those elsewhere on the eyes: lip black, ferruginous, and clothed with short yellow hairs at the tip; palpi black, clothed with pale yellow hairs: feelers piceous; first and second joints beset with short black bristles; second joint much shorter than the first; third joint spindle-shaped, much longer than the first and the second; fourth joint black, like a spine, about one-fourth of the length of the third: neck with a ruff of black and yellow bristles: chest covered with dark tawny down, thinly clothed with short black hairs, beset on each side and behind with longer pale yellow hairs, and with some very long black and yellow bristles: breast paler tawny, covered with a slight hoary bloom, clothed here and there with white hairs: abdomen narrower than the chest, and nearly thrice its length, clothed with short yellow hairs, and on each side at the base with some longer hairs and with a few black and yellow bristles; tapering from the base to the tip, which is clothed with some black hairs and armed with a circlet of black spines: first and second segments short; third and following segments long, and of nearly equal length; eighth and ninth segments piceous, shining: legs very dark ferruginous, almost piceous, clothed with short pale yellow hairs, and beset with black spines; shanks and feet of fore and middle legs paler; claws black, ferruginous at the base: foot-cushions dark tawny; fore shanks unarmed: wings brown, paler along the borders of the veins, reaching, when closed, to two-thirds of the length of the abdomen; wing-ribs and veins piceous, the latter ferruginous along the fore half of the wing; poisers yellow. Length of the body 14 lines; of the wings 16 lines.

a. North Bengal. From Miss Campbell's collection.

DASYPOGON Scheno, n. s., mas. *Fulvus, thoracis vittis quatuor obscuris, pectore ferrugineo, abdomine nigro fasciis apice ventreque ferrugineis, antennis ferrugineis apice piceis, pedibus ferrugineis, femoribus tibiisque posticis et tarsis piceis, alis albis venis fusco limbatis.*

Body very light tawny: head much narrower than the chest, thickly clothed with pale yellow hairs; crown of the head piceous; clypeus armed with a thick cluster of yellowish white bristles: eyes black; fore part very slightly convex, not very distinct from the other part, but composed of rather larger facets: lip black, shining, clothed at the base with long—at the tip with short—pale yellow hairs; palpi ferruginous, clothed with long yellowish white hairs; feelers ferruginous; first and second joints clothed with pale yellow hairs, which are mostly on the first joint; second joint cup-shaped, piceous at the tip, much shorter than the first; third joint nearly linear, but rather narrower at each end, piceous towards the base, almost as long as the first and the second joints; fourth and fifth joints almost like a bristle, hardly half the length of the third: chest clothed with short yellow hairs, thickly beset on each side and behind with long pale yellow bristles, adorned with four dark stripes, which are very close to each other: breast mostly ferruginous: abdomen black, crossed by numerous little furrows, tapering from the base to the tip, clothed with short pale yellow hairs, more than twice the length of the chest; hind borders of the segments, tip and underside ferruginous; segments from the third to the sixth of nearly equal length; seventh segment a little shorter than the sixth; eighth segment much shorter than the seventh; ninth segment ferruginous, as long as the eighth: legs ferruginous, clothed with yellowish white hairs, and rather thickly beset with yellowish white spines; feet, hind thighs and hind shanks mostly piceous; claws black, ferruginous at the base; foot-cushions tawny: wings white, pale brown along the borders of the veins; wing-ribs piceous; veins black, piceous at the base; poisers tawny. Length of the body 13 lines; of the wings 20 lines.

a. Tunis. From Mr. Fraser's collection.

DASYPOGON Antigenes, n. s. *Flavo-fuscus, capite fulvo, thoracis lateribus pectoreque rufis, abdomine piceo, maculis utrinque ventreque rufis, antennis ferrugineis, pedibus ferrugineis, alis albidis marginibus anticis fulvis apicibus subfuscis.*

Body yellowish brown: head tawny, narrower than the chest, covered with white down, clothed behind and beneath with white hairs, beset behind the eyes with tawny bristles; crown dark

tawny, with a few tawny hairs on each side; clypeus thickly beset with white bristles: eyes red; fore part flat, its facets a little larger than those of the other part: lip black; tongue ferruginous; palpi tawny (?), clothed with tawny hairs; first and second joints of the feelers ferruginous, clothed with tawny hairs; second joint shorter than the first: chest thinly clothed with very short white hairs, beset on each side and behind with dark tawny bristles; sides and breast pale red, covered with a tawny bloom, and partly clothed with white hairs: abdomen flat, piceous above, pale red beneath and on the sides of the hind borders of the dorsal segments, tapering from the base to the tip, a little narrower than the chest, and more than twice its length, clothed with short whitish hairs, and on each side of the base with longer pale yellow hairs and bristles; first and second segments short; third and following segments long, but successively decreasing in length: legs ferruginous, clothed with short white hairs and beset with white spines; claws black, ferruginous towards the base; foot-cushions pale tawny; fore-shanks unarmed: wings whitish, dull tawny along the fore borders, pale brown at the tips; wing-ribs ferruginous; veins black, piceous towards the base, ferruginous along the fore borders; poisers tawny. Length of the body 6½ lines; of the wings 18 lines.

Variation in the wing-veins.—In one wing the little cross-vein is double.

a. South Africa. Presented by Dr. A. Smith.

Dasypogon Damias, n. s., mas. et fem. *Fulvus, capite albido, thoracis vittis tribus pallidè fuscis, abdomine rufo, antennis ferrugineis apice piceis, pedibus rufis, alis cinereis, venis fulvo limbatis.*

Head whitish, clothed with white hairs behind and beneath, where the hairs are longest and most thick, beset behind the eyes with a row of black bristles; crown and each side of the front covered with a few black hairs; clypeus thickly beset with pale yellow bristles: lip and palpi black: the latter and the tips of the former clothed with pale yellow hairs; first and second joints of the feelers ferruginous, beset with short black bristles; second joint much shorter than the first: third joint linear, piceous, ferruginous and rather narrower at the base and at the tip; fourth and fifth joints like a spine, nearly as long as the second: chest and breast dull tawny: chest with three pale brown broad stripes, thinly clothed with short black hairs, beset on each side and behind with long black bristles; scutcheon and breast with a hoary tinge: abdomen red, flat, clothed with short tawny hairs, tapering from the base to the tip, narrower than the chest, and scarcely twice its

length; first and second segments short; third and following segments long, but successively decreasing in length: legs red, thinly clothed with short black hairs; hips clothed with long tawny hairs; spines on the shanks and on the feet longer and more numerous than those on the thighs; claws black, ferruginous at the base; foot-cushions dull tawny: wings dark gray, pale tawny along the borders of the veins; wing-ribs and veins piceous; poisers tawny. Length of the body 12 lines; of the wings 18 lines.

a. North Bengal. From Miss Campbell's collection.

Dasypogon Aphrices, n. s. *Niger, humeris rufis, pectore rufo vario, abdomine pedibusque rufis, alis subfuscis margine antico obscuriore.*

Body black: head much narrower than the chest, thinly clothed on the crown, and more thickly behind, with tawny hairs, and most thickly beneath with pale yellow hairs, beset behind the eyes with tawny bristles; clypeus large, prominent, very thickly beset with long pale yellow bristles: eyes black; fore part slightly convex, its facets very little larger than those of the other part: lip black, shining, clothed at the tip with tawny hairs; palpi black, clothed with pale yellow hairs: chest thinly clothed with tawny hairs, and beset on each side with long tawny bristles; shoulders red, and beset with red bristles: breast with a red spot here and there, and clothed at intervals with tawny hairs: abdomen red clothed with tawny hairs, a little narrower than the chest, tapering from the base to the tip, which is mutilated: legs red, clothed with tawny hairs, and beset with black bristles; thighs black, mostly red at the base and on the under-side; fore thighs unarmed; claws black, ferruginous at the base; foot-cushions dull tawny: wings light brown, darker brown along the fore border, especially from one-third to one-half of the length; wing-ribs and veins piceous, the latter partly black; poisers tawny. Length of the body 9 lines; of the wings 16 lines.

a. Nepaul. From the Hardwicke bequest.

Dasypogon Echelus, n. s., fem. *Niger, thoracis lateribus rufescentibus, abdomine rufo, basi apiceque nigro, antennis rufis, pedibus ferrugineis, alis fuscis.*

Body black: head much narrower than the chest, clothed with yellowish white hairs behind, and more thickly and with longer hairs beneath, beset behind the eyes with a row of black bristles; crown covered with a few black hairs; clypeus large, thickly beset

with pale yellow bristles: eyes black; fore part slightly convex, and with larger facets than elsewhere; lip and palpi black, the latter and the tip of the former clothed with pale yellow hairs: feelers red; first joint piceous; second joint shorter than the first; third joint tapering from the base to the tip, thrice the length of the second; fourth and fifth joints black, like a bristle: chest slightly clothed with tawny hairs, tinged with red and beset with black bristles on each side and behind: abdomen red, thinly clothed with short yellow hairs, narrower than the chest, and rather more than twice its length, tapering from the base to the tip, where it is armed with a circlet of black spines, black at the base; sides and hind borders of the segments black towards the tip; first and second segments short; third and following segments long, but successively decreasing in length: legs very dark ferruginous, clothed with short black hairs and beset with black spines, tips of thighs black; claws black: foot-cushions dark tawny: wings brown; disks of the areolets somewhat paler; wing-ribs and veins tawny; the latter piceous at the tips; poisers ferruginous. Length of the body 12 lines; of the wings 16 lines.

a. Nepaul. From the Hardwicke bequest.

Dasypogon Imbrex, n. s. *Cinereo-fuscus, pectore cinereo, abdomine rufo, antennis fulvis, pedibus rufis, femoribus nigris, alis cinereis.*

Head much narrower than the chest, covered with yellow down, clothed thinly above, but thickly behind and beneath with tawny hairs; clypeus thickly beset with pale yellow bristles: eyes dark bronze; fore part slightly convex, its facets hardly larger than elsewhere on the eyes: lip and palpi black, the latter and the tips of the former beset with tawny hairs: first and second joints of the feelers tawny, clothed with short tawny hairs; second joint much shorter than the first: chest grayish brown, thinly clothed with tawny hairs, beset on each side and behind with long tawny bristles: breast gray: abdomen dull red, clothed with very short yellow hairs, tapering from the base to the tip, narrower than the chest, and about twice its length; first and second joints very short; third and following joints long, but successively decreasing in length to the tip, which is piceous and shining: legs red, clothed with short tawny hairs, and beset with tawny bristles; hips gray; thighs mostly black; claws black; foot-cushions dark tawny: wings gray; wing-ribs and veins ferruginous; poisers tawny. Length of the body 10 lines; of the wings 16 lines.

a. Nepaul. From the Hardwicke bequest.

Group V.

DASYPOGON Digentia, n. s., mas. et fem. *Niger, thorace vittis duabus aureis, pectore cinereo, abdominis apice ferrugineo, antennis pedibusque nigris, femoribus apice tibiisque rufis, alis antice subfulvis postice subcinereis.*

Male.—Body black: head not so broad as the chest, clothed with a few black hairs on the crown, with thick long pale yellow hairs behind and beneath, and with long bright tawny hairs on the front and on the clypeus: eyes purplish black, flat, and with larger facets in front, but the difference in size of the facets is not so great as in some other species, nor is the boundary-line so clearly defined; lip black, short, and very stout, its tip clothed with short pale yellow hairs; palpi black, very thickly clothed with long black hairs and bristles: feelers black; first and second joints clothed with black hairs; second joint much shorter than the first; third joint tapering from the base to the tip, longer than the first and the second; fourth joint very small: chest clothed with short black hairs, and adorned with a stripe of golden down on each side, which is beset with long pale yellow hairs and tawny bristles: breast gray, and thickly clothed with long pale yellow hairs: abdomen compressed, except at the base and at the tip, shining, crossed by numerous little furrows, clothed with short yellow hairs, and beneath also with longer and paler hairs, much narrower than the chest and more than twice its length; first and second segments short, thinly clothed with long pale hairs; third segment long; the following segments successively decreasing in length; tip ferruginous: legs black, clothed with black hairs; hips and thighs clothed also with long pale hairs; shanks and feet beset with black bristles, and the former also with some longer tawny bristles; tips of thighs and shanks, excepting their tips, red; fore legs unarmed; fore shanks clothed on their inner side with golden down: wings with a slight tawny tinge on the fore border, and with a slight gray tinge on the hind border; the disk almost colourless; wing-ribs and veins ferruginous, the latter piceous towards the tips; poisers of the male tawny, of the female piceous. *Fem.*—Abdomen rather shorter than that of the male, of equal breadth along the whole length, armed with a circlet of black spines at the the tip: hind thighs more slender than those of the male. Length of the body 10—11 lines; of the wings 16—18 lines.

a. New Holland. Presented by the Haslar Hospital.
b. West Australia. From Mr. Clifton's collection.

DASYPOGON Agave, n. s., fem. *Niger, aureo-pilosus, thorace abdomineque aureo, bivittatis, antennis pedibusque nigris, tibiis rufis, alis limpidis, basi ad costam venarumque marginibus apice subfulvis.*

Allied to *D. Digentia.* Body black: head not so broad as the chest, clothed with a few black bristles on the crown, with thick long pale yellow hairs behind and beneath, and on the front with bright yellow down and hairs which also adorn the clypeus: eyes purplish black, flat, and with large facets in front, like those of *D. Digentia*: mouth also like that of the preceding species: feelers black; first and second joints thinly clothed with short black hairs of equal length; third joint slightly tapering from the base to the tip, a little longer than the first and the second; fourth joint very small: chest and breast like those of *D. Digentia:* the golden down of the sides of the chest is spread, though more slightly over the back, and also covers some parts of the sides of the breast: abdomen more thickly clothed than that of *D. Digentia* with golden hairs, and having a stripe of golden bloom along each side: legs black, clothed with yellow hairs; thighs armed with a few tawny spines, more slender than those of the preceding species; shanks red, beset, as are also the feet, with tawny and red spines, the latter have black tips; claws piceous, ferruginous at the base, where there is a short blunt tooth on the under-side: wings colourless, slightly tawny at the base, on the fore borders, and along the sides of the veins towards the tips; wing-ribs and veins ferruginous, the latter piceous towards the tips; poisers yellow. Length of the body 11 lines; of the wings 16 lines.

a. Swan River. Presented by Sir J. Richardson.
b. New Holland. Presented by the Earl of Derby.
c. New Holland. Presented by the Haslar Hospital.

DASYPOGON Thalpius, n. s. *Niger, thorace aureo pubescente et vittato, pectore cano, abdomine pilis fulvis vestito apice ferrugineo, antennis nigris, pedibus rufis, femoribus basi, tarsisque nigris, alis limpidis.*

Body black: head a little narrower than the chest, thinly covered with black hairs, thickly clothed behind and beneath with white hairs, and adorned with a thick tuft of golden hairs on the front and on the clypeus: eyes black; fore part flat, but its facets are hardly larger than those of the other part: eyelets dark red: lip black, clothed at the tip with short yellow hairs: feelers black; first and second joints beset with short stout black hairs; second joint club-shaped, a little shorter than the first: chest clothed with golden down, which forms a stripe on each side, and a middle

stripe is perhaps effaced in the specimen described; sides grayish tawny, clothed with long yellow hairs, and beset with some ferruginous bristles: breast hoary, clothed with long pale yellow hairs: abdomen much narrower than the chest, and rather more than twice its length, nearly cylindrical, slightly decreasing in breadth from the base till very near the tip, where it again widens, clothed with short bright tawny hairs, and with longer and paler hairs on each side towards the base; first segment very short; second segment short, with a cross ridge; third, fourth, and fifth segments long; sixth segment short; seventh and following segments still shorter; tip dark ferruginous: legs red, clothed with yellow hairs and beset with slightly curved spines; hips, thighs towards the base, hind thighs wholly, tips of shanks and feet black; spines red on the thighs, but black on the shanks and on the feet, where they are more numerous; fore and middle shanks furnished with some longer tawny spines; tips of fore shanks not armed: wings colourless; wing-ribs ferruginous; veins black, piceous towards the base; poisers pale tawny. Length of the body 8—10 lines; of the wings 12—14 lines.

Var. β. Tips of fore thighs red.

a. West Australia. From Mr. Clifton's collection.
b. ——? From Mr. Children's collection.

Dasypogon Lanatus, n. s., fem. *Niger, thorace fulvo trivittato, pectore cinereo, abdominis apice compresso et subrufo, lateribus fulvo vittatis, ventre cinereo-fulvo, antennis nigris, pedibus rufis, tarsis femoribus basi tibiisque apice nigris, alis subcinereis basi subfulvis.*

Body black: head a little narrower than the chest, clothed above and behind with black hairs, and beneath with yellow hairs; clypeus and front adorned with golden down, and with a tuft of golden hairs: eyes dark bronze; fore part slightly convex, its facets hardly larger than elsewhere on the eye: lip black, shining, clothed at the tip with short tawny hairs; tongue ferruginous; palpi black, and clothed with black bristles: first and second joints of the feelers black, and clothed with black hairs; second joint slightly club-shaped, more than half the length of the first: chest clothed with black hairs, and covered on each side with pale tawny down which forms three stripes on the back; sides thinly clothed with yellow hairs, and beset with tawny bristles: breast gray, clothed with long pale yellow hairs: abdomen slender, nearly linear, much narrower than the chest, and less than twice its length, clothed with short yellow hairs, compressed towards the tip, which is partly red, and crossed by numerous little furrows; there is a broad pale tawny

stripe along each side, clothed with long pale yellow hairs, as is also the under-side, which is grayish tawny; second segment convex as usual; third and following segments long, but successively decreasing in length; ninth segment short, and armed with a circlet of black spines: legs bright red, clothed with short pale yellow hairs; hips, thighs at the base, tips of the shanks and feet black; hips and thighs clothed with long pale yellow hairs; tips of the latter armed with a very few short spines; shanks armed with more and longer black and tawny spines; feet more thickly beset with short stout spines; claws black; foot-cushions tawny: wings pale gray, or almost colourless, with a very slight tawny tinge towards the base; wing-ribs ferruginous; veins piceous, ferruginous at the base, black at the tips; poisers tawny. Length of the body 8 lines; of the wings 12 lines.

a. Van Dieman's Land. Presented by the Rev. Augustus Beaufort.

b. Van Dieman's Land. Presented by R. Butler, Esq.

Dasypogon Agathyllus, n. s. *Niger, pilis flavis fulvisque vestitus, humeris abdominisque apice ferrugineis, antennis pedibusque ferrugineis, femoribus tibiisque posticis piceis, alis fulvis albo unifasciatis.*

Body black: head much narrower than the chest, thickly clothed behind and beneath with yellow hairs, and there are some also on the sides of the front; clypeus thickly beset with long pale yellow bristles: eyes black; fore part slightly convex, its facets a little larger than those of the other part: lip black, clothed at the tip with short tawny hairs: first and second joints of the feelers ferruginous, of nearly equal length, clothed with yellow hairs: neck with a ruff of yellow bristles: chest clothed with yellow hairs, and beset on each side and behind with long yellow bristles; shoulders ferruginous: breast partly clothed with yellow hairs: abdomen narrower than the chest, and rather more than twice its length, clothed with tawny hairs, tapering from the base to the tip, which is ferruginous; first and second segments short; third and following segments long, but successively decreasing in length: legs ferruginous, clothed with yellow hairs, and beset with pale yellow bristles; hind thighs piceous, ferruginous on the under-side from the base to the middle; hind shanks piceous, ferruginous at the base; claws black, ferruginous at the base; foot-cushions ferruginous: wings tawny, with a colourless streak below the fore border from the base to the middle; wing-ribs, veins, and poisers ferruginous. Length of the body 12 lines; of the wings 18 lines.

a. ——— ? Presented by Captain Lord Byron.

DASYPOGON Pedanus, n. s., fem. *Fuscus, capite pectore thoracis vittis duabus, scutello et metathorace albis, abdominis fasciis ventreque canis, antennis pedibusque nigris, alis limpidis apice subfuscis.*

Head white, narrower than the chest, clothed with white hairs, which are very thick beneath; crown piceous, beset with tawny bristles; clypeus thickly armed with long white bristles: eyes dark bronze; fore part flat, with larger facets, distinguishable from the other part, though the difference of the size of the facets is not so great as in some other species; lip black, short, its tip clothed with tawny hairs: feelers black; first and second joints clothed with white hairs; second joint not half the length of the first; third joint spindle-shaped, tawny at the base, as long as the first and the second joints: chest brown, with a white stripe on each side, beset with some long pale yellow hairs and bristles on the sides and about the hind border; shoulders ferruginous; breast white and thinly clothed with white hairs; scutcheon and hind chest also white, and the latter with a tuft of long white hairs on each side: abdomen brown, decreasing in breadth from the base to the tip, narrower than the chest and more than twice its length, thinly clothed with short white hairs, thickly crossed with little furrows, shining towards the tip, which is armed with short black spines; hind borders of the segments and under-side hoary; a tuft of long white hairs on each side of the base: legs black, thickly covered with short white hairs; hips hoary; thighs, shanks and feet armed with yellow spines, which are most frequent on the latter; claws black, tawny at the base; foot-cushions tawny; shanks ferruginous, wirh black tips: wings colourless, slightly tinged with pale brown at the tips, the disks of whose areolets are nearly colourless; wing-ribs tawny; veins piceous, black towards the tips; poisers tawny. Length of the body 8 lines; of the wings 10 lines.

a. Swan River. Presented by Sir J. Richardson.

DASYPOGON Nicoteles, n. s. *Cinereus, capite cano, thorace piceo univittato, abdominis apice nigro, antennis tarsisque nigris, femoribus purpureo-cupreis, tibiis ferrugineis apice nigris, alis limpidis apice subcinereis.*

Body gray: head hoary, a little narrower than the chest, thickly clothed above, behind and beneath with hoary hairs; clypeus thickly beset with long black bristles: eyes piceous; fore part slightly convex, dark bronze, its facets a little larger than those elsewhere on the eye: lip black, clothed at the tip with tawny hairs; palpi black, beset with black bristles: feelers black; first and second joints beset with black hairs, nearly equal in length; third joint

slightly tapering from the base to the tip, as long as the first and the second; fourth joint not one-third of the length of the third; fifth joint extremely short: neck with a ruff of hoary hairs: chest thinly clothed with long slender black hairs, and having a broad piceous stripe in the middle: breast with a few scattered hoary hairs: abdomen nearly linear and cylindrical, narrower than the chest and about twice its length, black at the tip, thinly clothed with short hoary hairs, and towards the base with longer hairs, and with a few bristles of the same colour; first and second segments short; third and following segments long, but successively decreasing in length: legs clothed with hoary hairs and beset with tawny spines; hips gray; thighs purplish bronze; shanks ferruginous, with black tips; feet black; claws black; foot-cushions tawny; fore shanks unarmed: wings colourless, light gray at the tips; wing-ribs ferruginous; veins piceous, black towards the tips; poisers tawny, with piceous knobs. Length of the body $5\frac{1}{2}$ lines; of the wings 8 lines.

a. Swan River. Presented by Sir J. Richardson.

Dasypogon Aoris, n. s., fem. *Fuscus, thoracis vittis tribus lateribusque fulvis, pectore cano, abdominis apice nigro, antennis nigris, pedibus cinereis, alis subfuscis.*

Body dark brown: head a little narrower than the chest, covered with whitish down and clothed with white hairs behind and beneath: crown with a stripe of pale yellow down and some whitish hairs on each side; front and clypeus covered with yellow down; clypeus armed with yellow hairs and bristles, the latter in front: eyes black; fore part slightly convex, its facets not much larger than those of the other part: lip black, clothed at the tip with short yellow hairs; palpi black, beset with long pale yellow hairs: feelers black; first and second joints clothed with pale yellow hairs; second joint much shorter than the first; third joint spindle-shaped, longer than the first and the second joints; fourth and fifth joints forming a spine, which is about one-sixth of the length of the third joint: chest clothed with a few very short black hairs, beset on each side and behind with some white bristles, adorned with three tawny stripes; middle stripe indistinct; sides tawny: breast hoary, partly clothed with white hairs: abdomen narrower than the chest and nearly twice its length, slightly tapering from the base to the tip, clothed with yellow hairs, which are longer and more numeroas towards the base, black, shining, and crossed by numerous little furrows towards the tip; first and second segments very short; third and following segments long, successively decreasing in length; tip armed with a circlet of short black spines: legs gray, thickly clothed with whitish hairs, armed with white spines, which are numerous

on the feet, but scarce on the thighs; claws black, tawny at the base; foot-cushions tawny: wings light brown, paler along the hind borders; wing-ribs ferruginous; veins piceous, black towards the tips; poisers tawny. Length of the body 7½ lines; of the wings 12 lines.

a. Adelaide. Presented by the Entomological Club.

Dasypogon Californiæ, n. s., mas. *Niger, pilis fulvis densè vestitus, pectore cinereo, abdomine ferrugineo, antennis nigris, pedibus ferrugineis, femoribus genubusque nigris, tibiis apice piceis, alis cinereis.*

Body black: head and chest covered with a gray bloom: head a little narrower than the chest, thickly clothed behind and beneath with bright tawny hairs; crown covered with black hairs; front and clypeus thickly clothed with pale tawny bristles: eyes black; fore part slightly convex; its facets hardly larger than those elsewhere in the eye: lip and palpi black; the latter and the tip of the former clothed with tawny hairs: feelers black; first and second joints thickly clothed with black hairs; second joint cup-shaped, much shorter than the first; third joint tapering from the base to the tip, longer than the first and the second; fourth and fifth like a spine, about half the length of the third: chest covered with tawny down, and thickly clothed with tawny and black hairs: breast gray, covered with tawny down, and thinly clothed with yellow hairs: abdomen bright ferruginous, thickly clothed with bright tawny hairs, full twice the length of the chest, tapering from the base to the tip, with a piceous stripe on each side; segments from the third to the sixth long, and of nearly equal length; seventh segment shorter; eighth and ninth segments much shorter: legs bright ferruginous, thickly clothed with ferruginous hairs, and beset with tawny bristles; hips, thighs, excepting their tips, and knees black; tips of shanks piceous; claws black, ferruginous towards the base; foot-cushions dark ferruginous; middle shanks ferruginous, with a black streak on the outer side; fore shanks not armed: wings dark gray; wing-ribs dark ferruginous; veins black, piceous towards the base: poisers tawny. Length of the body 10 lines; of the wings 14 lines.

a. California. Presented by E. Doubleday, Esq.

Group VII.

Dasypogon humeralis, var.? *Wied. Dipt. Exot.* i. 225, 19. *Auss. Zweif.* i. 396, 47.

a. South Africa. Presented by the Earl of Derby.

DASYPOGON Spurinus, n. s., mas. et fem. Mas.—*Canus, thorace cinereo-fusco vittis tribus pallidioribus, abdominis segmentis fulvo vittatis, antennis nigris articulo 3º piceo, pedibus nigris, femoribus subtus tibiisque basi ferrugineis, alis limpidis.* Fem. —*Cinereo-fulvus, abdomine ferrugineo, dorso plerumque nigro, antennis pedibusque nigris, femoribus fulvis nigro vittatis, tibiis basi fulvis.*

Male.—Body hoary: head as broad as the chest, clothed on the crown behind and beneath with long pale yellow hairs; front clothed with close shining pale yellow down; clypeus beset with many pale yellow bristles: eyes bronze colour, distinctly divided into two compartments by the size of the facets: lip black; tongue ferruginous, clothed beneath with thick down; maxillæ tawny; palpi black, clothed with black hairs and bristles: feelers black; first and second joints of equal length; second joint beset with black bristles; third joint piceous, spindle-shaped, ferruginous towards the tip, as long as the first and second joints: chest grayish brown, with three indistinct paler stripes; sides somewhat ferruginous, and beset with pale yellow bristles: breast gray or hoary: abdomen gray, thinly clothed with short yellow hairs, slightly decreasing in breadth from the base to the tip, narrower than the chest and much more than twice its length; a white stripe along each side; hind borders of the segments tawny; tip ferruginous: legs black, clothed with short pale yellow hairs; thighs beneath and shanks at the base ferruginous; thighs, shanks and feet armed with pale yellow spines; feet also beset with black bristles; claws black; foot-cushions dark tawny, ferruginous at the base; fore legs unarmed: wings quite colourless; wing-ribs and veins piceous, the latter black towards the tips; poisers ferruginous.

a. ———?

Female.—Head pale tawny, as broad as the chest, covered with shining white down and clothed with white hairs; crown dull dark tawny; clypeus armed with long white bristles: eyes with green and purplish tints: lip black, rather long, its tip beset with short tawny hairs; palpi black, clothed with black hairs, and towards their tips with black bristles: feelers black; first and second joints beset with black bristles; second joint shorter than the first: chest tawny, clothed with short black hairs and beset with white bristles along each side, covered with a gray bloom, which is most apparent on the scutcheon and on the hind chest; the disk is brown: breast tawny, covered with a shining hoary bloom: abdomen pale ferruginous, shining, decreasing in breadth from the base to the tip, a little nar-

rower than the chest and more than twice its length, thickly clothed with short yellow hairs, and having some longer white hairs on each side of the base, crossed by numerous little furrows; segments of the back from the first to the fifth dull black, with the exception of the hind borders of the three last; tip armed with short black spines: legs black, thinly clothed with short yellow hairs; hips covered with a white bloom and with some white hairs; thighs, shanks and feet beset with yellow spines, the latter also clothed with black hairs and bristles; thighs tawny, with a black stripe passing along the whole length; shanks tawny towards the base; claws black; foot-cushions tawny; fore legs unarmed: wings colourless: wing-ribs and veins piceous, the latter black towards the tips; poisers tawny. Length of the body 10 lines; of the wings 16 lines.

a. South Africa. Presented by the Earl of Derby.

Dasypogon Anaxilas, n. s. *Fulvus, thorace piceo quadrivittato, lateribus albo vittatis, antennis pedibusque ferrugineis, alis limpidis, basi venarumque marginibus subfulvis.*

Head dull tawny, clothed behind with black hairs; crown piceous; front covered with shining pale yellow down; clypeus armed with long pale yellow bristles: lip black, clothed towards the tip with short yellow hairs; palpi black, clothed with black hairs, and towards the tips with black bristles: eyes dark bronze colour, divided into two parts by the difference in size of the facets, but the boundary is not very distinctly marked: feelers ferruginous; first and second joints equal in length; third joint piceous, spindle-shaped, as long as the first and the second: neck hoary: chest dark tawny, with four piceous stripes, the outer pair very short; a white stripe on each side, which is beset with some tawny bristles: breast hoary: abdomen wanting: legs ferruginous, clothed with short black hairs and beset with tawny spines, of which there are most on the feet and fewest on the thighs; claws black, tawny at the base; foot-cushions tawny; fore legs armed with a short curved black tooth at the tip of the shank: wings slightly tawny at the base and along the borders of the veins; the disks mostly colourless; wing-ribs and veins piceous, the latter black towards the tips; poisers tawny, piceous at the base. Length of the body 12 lines; of the wings 18 lines.

a. South Africa. Presented by Dr. A. Smith.

Group VIII.

DASYPOGON Salinator, n. s., mas. *Fulvus, thorace cinereo subfulvo trivittato, abdominis segmentis nigro-fasciatis, antennis fulvis apice nigris, pedibus fulvis, alis cinereis, venarum marginibus limpidis.*

Head tawny, covered with white shining down, a little broader than the chest; hind part encircled with white bristles, which appear tawny in some aspects, and the same variation occurs in the long white bristles which arm the clypeus, and are twenty or more in number; two black or white spines on the tubercle of the eyelets; hypostoma clothed with black hairs: mouth short, black, clothed towards the base with white hairs; tip of the lip with a tuft of short pale yellow hairs: eyes coppery; fore part flat and of larger facets, which decrease in size successively as they diverge towards the convex and larger part of the small facets, and the line between the two parts is distinctly marked: feelers tawny; first and second joints beset with short black hairs; second joint longer than the first; third joint very long spindle-shaped, much longer than the first and the second, but not twice their length; fourth joint black, very short: chest gray, with three narrow indistinct stripes of a somewhat tawny colour, and beset with some rows of short black bristles; breast and sides of the chest clothed with silvery white down, the former thinly covered with white hairs, the latter furnished with some black hairs and long black bristles: scutcheon also adorned with silvery down: abdomen much narrower than the chest and rather less than twice its length, dull tawny, clothed with short black hairs, decreasing in breadth from the base to the tip where it is shining; each segment has a black band, which from the base to the lip occupies successively more and more of its surface; second segment short, with a row of white bristles on its hind border; third segment long; the following segments successively decreasing in length; tip ferruginous, beset with short black spines: legs tawny, clothed with short white hairs; hips and trochanters black; thighs with two or three white spines, more of these on the shanks and most on the feet, which have also some black spines; claws black, tawny at the base; foot-cushions pale tawny; fore legs armed with a long curved black tooth on the tip of the shank, and with a short blunt tawny tooth at the base of the foot: wings gray, colourless along the borders of the veins, the usual disposition of the tinge being here reversed; wing-ribs and veins piceous, the latter black towards the tips; poisers pale tawny. Length of the body 11—12 lines; of the wings 18—20 lines.

a. Port Essington. From Mr. Gould's collection.

DASYPOGON Copreus, n. s., fem. *Ferrugineus, thorace flavo-fusco, abdominis segmentis 3º, 4º, 5º, et 6º nigris, antennis pedibusque ferrugineis tarsorum articulis apice nigris, alis fulvis.*

Body ferruginous: head narrower than the chest, thickly clothed behind and beneath with tawny hairs, beset behind the eyes with a row of tawny bristles; clypeus armed with about fourteen pale yellow spines: eyes black; fore part flat, dark bronze, its facets larger than those of the other part: lip black, long, clothed at the tip with short tawny hairs; palpi ferruginous, clothed with tawny hairs and bristles: first and second joints of the feelers ferruginous; first joint beset with some short black hairs; second joint much longer than the first: neck with a cross-row of tawny bristles; chest yellowish brown, thinly clothed with tawny hairs, beset on each side and behind with long black bristles: breast clothed with a few tawny hairs: abdomen tapering from the base to the tip, narrower than the chest and more than twice its length, thinly clothed with short tawny hairs, shining towards the tip; segments from the third to the sixth black, excepting their hind borders; first and second segments short; third and following segments long, but successively decreasing in length: legs ferruginous, thinly clothed with short black hairs, and beset with black spines; tips of the joints of the feet and claws black; foot-cushions tawny; tips of fore shanks armed with a black curved tooth corresponding with some black tubercles at the base of the feet: wings tawny; wing-ribs and veins piceous, the latter black towards the tips; poisers tawny. Length of the body 13 lines; of the wings 21 lines.

a. ——— ?

DASYPOGON Silanus, n. s., mas. *Fuscus, thorace ferrugineo bivittato, capite pectore thoracisque lateribus fulvis, antennis pedibusque ferrugineis, alis fulvis apicibus subcinereis.*

Head tawny, a little narrower than the chest, beset behind the eyes with a row of black bristles, clothed beneath with pale tawny hairs; clypeus armed with long pale yellow bristles: eyes black; fore part slightly convex, its facets but little larger than those of the other part: lip black, clothed at the tip with short tawny hairs; palpi ferruginous, their tips beset with ferruginous hairs: feelers ferruginous; second joint much longer than the first, very slightly club-shaped, beset with a few black hairs; third joint spindle-shaped, a little longer than the first and the second joints: ridge of the neck beset with a row of black bristles: chest reddish brown, with two slender indistinct ferruginous stripes, beset on each side and behind with black bristles; breast and sides of the chest tawny, covered with shining down: abdomen brown, slightly tapering from

the base to the tip, a little narrower than the chest and more than twice its length; hind borders of the segments and tip ferruginous, the latter shining and clothed with tawny hairs; first segment very short; second segment short; third segment long, with a cross furrow near its base; following segments successively decreasing in length: legs ferruginous, thinly clothed with very short black hairs and beset with some black spines; feet black towards the tips; claws black; foot-cushions tawny; tip of each fore shank armed with a curved black toolh, which corresponds with some black tubercles at the base of each fore foot: wings tawny, light gray at the tips; wing-ribs ferruginous; veins black; poisers piceous. Length of the body 13 lines; of the wings 20 lines.

a. ——— ?

Dasypogon Potitus, n. s. *Fulvus, thoracis vittis tribus piceis ferrugineo marginatis, abdomine ferrugineo, segmentis piceo maculatis albidoque fasciatis, antennis fulvis apice ferrugineis, pedibus alisque fulvis.*

Body dull: head tawny, as broad as the chest, covered with thick shining pale down, which appears yellow or tawny according to the light in which it is seen; crown beset with tawny bristles: a fringe of pale yellow bristles along the borders of the eyes; tubercle of the eyelets armed with black bristles: clypeus furnished with numerous long white bristles: eyes bluish black, divided as usual into two parts which are distinctly marked: lip black, furnished at the tip with a cluster of yellow hairs; the other parts of the mouth ferruginous; palpi rather long, clothed with long yellow hairs: feelers tawny; first joint beset with yellow hairs and with a very few short black hairs; second joint longer than the first, beset with short black hairs and longer black bristles; third joint ferruginous, very long spindle-shaped, as long as the first and the second, beset with a very few short black hairs: chest and breast tawny: chest covered with short black hairs, and adorned with three broad ferruginous stripes, each enclosing a piceous stripe; the middle piceous stripe divided by a ferruginous line; sides of the chest beset with black bristles: breast rather paler than the chest, thinly clothed with yellow hairs: abdomen ferruginous, decreasing in breadth from the base to the tip, narrower than the chest and about twice its length, clothed with very short yellow hairs, and with longer yellow hairs at the tip which is shining; a large piceous spot on each side of every segment blends imperceptibly with the ferruginous hue; a whitish band occupies the hind border of every segment, and is widened on each side into a triangular spot; first segment extremely short; second segment short, with a cluster of yellow bristles on each side;

third segment long, having a cross furrow, which with a row of numerous black punctures accompanies a whitish band like those on the hind borders; the following segments successively decreasing in length; a row of black punctures on the fore borders of the fourth segment; under-side tawny, slightly shining, not hairy, furrowed with very small cross-lines: legs tawny, covered with short black hairs; thighs beset with two or three spines; these are more numerous on the shanks and on the feet; foot-joints from the first to the third with ferruginous tips; fourth and fifth joints ferruginous, with piceous tips; claws black; foot-cushions yellow; fore legs armed with a long curved black tooth at the tip of each shank, and with numerous corresponding little black tubercles at the base of the foot: wings tawny; wing-ribs and veins ferruginous, the latter piceous towards the tips; poisers dark tawny. Length of the body 11 lines; of the wings 20 lines.

a. ——— ?

Dasypogon Cerretanus, n. s. *Fulvus, thorace vittus tribus piceis ferrugineo limbatis, abdomine ferrugineo, segmentis nigro maculatis fulvoque fasciatis, antennis fulvis, apice ferrugineis, pedibus fulvis, alis limpidis apice subcinereis.*

Body dull: head as broad as the chest, clothed with thick shining down that appears tawny or whitish, according to the light in which it is seen: a fringe of yellow bristles along the rims of the eyes behind; under-side clothed with yellow hairs; two long black bristles on the tubercle of the eyelets: clypeus armed with nearly twenty long white spines: eyes bluish black, divided as usual into two parts, which are distinctly marked: lip ferruginous with a black tip: neck short, furrowed as usual, and beset with yellow bristles: chest and breast resembling those of the preceding species, but the piceous colour is more distinct: hind chest and scutcheon covered with shining yellow down, the latter armed with two long black bristles: abdomen ferruginous, decreasing in breadth from the base to the tip, narrower than the chest and full twice its length, clothed with very short yellow hairs, shining, and furnished with some longer tawny hairs towards the tip, which is armed with short black spines; a large black spot on each side of every segment, whose hind border is occupied by a tawny band which widens on each side into a triangular spot; second segment beset on each side with a cluster of yellow hairs and bristles; no punctures on the fore border of the fourth segment: legs tawny, clothed with short black hairs, armed with black spines; feet piceous towards the tips; claws black; foot-cushions tawny: wings colourless, slightly gray on the disks of the areolets, and more so at the tips; poisers bright

tawny; other characters like those of the preceding species. Length of the body 8 lines; of the wings 14 lines.

a. ——— ?

Dasypogon Ægon, n. s., mas. *Ferrugineus, thorace piceo trivittato, abdomine piceo, fasciis ferrugineis vittisque lateralibus fulvis, antennis pedibusque fulvis, tarsis piceis, alis limpidis cinereo variis.*

Body ferruginous: head as broad as the chest, bright tawny above, black and clothed with some black hairs beneath the eyes; tubercle of the eyelets beset with two long black bristles; clypeus armed with long yellowish white bristles; hypostoma tawny, shining, clothed with pale yellow hairs: eyes dark green; fore part quite flat, composed of large facets, and distinct from the other part: lip dark ferruginous, black and clothed with short pale yellow hairs towards the tip; palpi and tongue tawny, the former clothed with yellow hairs: feelers tawny; first and second joints shining, clothed with a few yellow hairs; second joint beset with one or two bristles, about twice the length of the first; third joint spindle-shaped, a little longer than the first and the second joints: chest with three broad piceous stripes, thinly clothed with very short black hairs, beset on each side and behind with black bristles: abdomen piceous, tapering from the base to the tip, narrower than the chest and about twice its length; sides of the segments with a pale tawny stripe, increasing in breadth from the fore border to the hind border, which is ferruginous; some yellow bristles on each side of the second segment; segments from the third to the sixth successively but slightly decreasing in length; seventh, eighth and ninth segments smaller, shining: legs tawny, clothed with short black hairs, and beset with black bristles, which are very short on the thighs and shanks, but long on the tips of the latter and on the feet; feet piceous at the tips; claws black; foot-cushions tawny, yellow beneath; tips of fore shanks armed with a long black curved tooth, corresponding with little black tubercles at the base of the feet: wings colourless, gray at the tips and thence along part of the hind border and on the disks of some of the areolets in the middle of the wing; wing-ribs piceous; veins black, piceous towards the base; the rudiment of a vein at the end of the areolet in the middle of the wing; poisers tawny. Length of the body 10 lines; of the wings 16 lines.

a. ——— ?

DASYPOGON Anemetus, n. s. mas. *Aureus, thoracis vittis quinque nigris, abdomine ferrugineo maculis lateralibus nigris albidisque, antennis ferrugineis, pedibus fulvis, alis limpidis apicibus marginibusque posticis cinereis.*

Head tawny, as broad as the chest, covered above with bright golden down, clothed along the borders of the eyes with a row of tawny bristles above and with a fringe of tawny hairs beneath; tubercle of the eyelets beset with two long black bristles; clypeus armed with many long pale yellow bristles: eyes dark purple; fore part flat, bronze-black, and distinct also from the convex part by its larger facets, and by a slight angle which marks its border: lip piceous, clothed at the tip with short tawny hairs; palpi ferruginous, clothed with tawny hairs; hypostoma pale tawny, clothed with yellow hairs: feelers ferruginous; first and second joints covered with short black hairs; second joint beset with a single stout black bristle; third joint spindle-shaped, a little longer than the first and the second joints, clothed above with short black hairs till near the tip, which is paler; following segments almost obsolete: ridge of the neck beset with a row of long tawny hairs: chest covered with golden down, thinly clothed with short black hairs, beset on each side and behind with long black bristles, adorned with three deep black stripes; middle stripe inlaid with a narrow tawny stripe; side stripes very short and interrupted by two oblique tawny bands; shoulders ferruginous; breast tawny, almost hairless: abdomen ferruginous, tapering from the base to the tip, narrower than the chest and more than twice its length, clothed with very short black hairs, beset on each side at the base with a few long pale yellow hairs, and with two long tawny spines, adorned along each side with a whitish yellow stripe, which is widened towards the hind border of each segment; a large black spot occupies the side of each segment from the fore border to the middle; first segment extremely short, crossed by rows of little punctures; second segment short, its hind border yellow; third segment long, with a cross row of punctures near the base, which is piceous; following segments successively decreasing in length to the tip, which is piceous and rather thickly clothed with tawny and black hairs: legs tawny, clothed with short tawny hairs; shanks and feet beset with black spines of various length; tips of feet, of hind thighs and of hind shanks piceous; claws black; foot-cushions yellow; tips of fore shanks armed with a black curved tooth, corresponding with little black tubercles at the base of the fore feet: wings colourless, gray towards the tips and along the hind borders; disk of the areolets in the middle of the wings also gray; wing-ribs ferruginous; veins black, piceous

towards the base, ferruginous along the fore border; poisers dark ferruginous. Length of the body 10 lines; of the wings 18 lines.

a. ——— ?

DASYPOGON Phalna, n. s., mas. *Aureus, thoracis vittis tribus nigris, abdomine ferrugineo maculis dorsalibus fuscis, lateribus fulvis, antennis ferrugineis, pedibus fulvis, alis limpidis apicibus marginibusque posticis cinereis.*

Body longer and more slender than that of *D. Anemetus :* head tawny, as broad as the chest, covered above with bright golden down, clothed along the borders of the eyes with a row of tawny bristles above, and with a fringe of tawny hairs beneath; tubercle of the eyelets beset with two long black bristles; clypeus armed with many long pale yellow bristles; eyes dark bronze; fore part flat, composed of larger facets than those of the convex part, from which it is also separated by the slight angle along its border: lip piceous, clothed at the tip with short tawny hairs; palpi ferruginous, clothed with tawny hairs; hypostoma pale tawny, clothed with yellow hairs: feelers ferruginous; first and second joints covered with short black hairs; second joint beset with a single stout black bristle; third joint spindle-shaped, a little longer than the first and the second joints, clothed above with short black hairs till near the tip, which is paler; following joints almost obsolete: ridge of the neck beset with a row of long tawny hairs: chest covered with golden down, thinly clothed with short black hairs, beset on each side and behind with long black bristles, adorned with three black stripes; the middle stripe is cleft in its fore part only; side stripes interrupted by two oblique tawny bands, longer than those of *D. Anemetus;* shoulders ferruginous: breast tawny, almost hairless: abdomen ferruginous, tapering from the base to the tip, narrower than the chest and nearly thrice its length, clothed with very short black hairs, beset on each side at the base with a few long pale yellow hairs, and with two or three long tawny spines, adorned along each side with a pale tawny stripe, which is widened towards the hind border of each segment; disks of the third and following segments brown; first segment extremely short, crossed by rows of little punctures; second segment short; third segment long, with a cross row of punctures near the base; following segments successively decreasing in length; tip clothed with tawny and black hairs: legs tawny, clothed with short tawny hairs; shanks and feet beset with black spines of various length; tips of feet, of hind thighs and of hind shanks piceous; claws black; foot-cushions tawny; tips of fore shanks armed with a black curved tooth, corresponding with little black tubercles at the base of the fore feet: wings colourless, shorter than those of *D. Anemetus,*

gray towards the tips and along the hind borders; disks of the areolets in the middle of the wings also gray; wing-ribs ferruginous; veins black, piceous towards the base, ferruginous along the fore border; poisers tawny. Length of the body 7½ lines; of the wings 11 lines.

a. ——— ?

DASYPOGON Winthemi? *Wied. Dipt. Exot.* i. 223, 17. *Auss. Zweif.* i. 387, 32.

a. South America? Presented by the Entomological Club.

DASYPOGON Eburnus, n. s. *Fulvus, thoracis vittis tribus nigro-fuscis, antennis fulvis apice ferrugineis, abdomine pedibusque ferrugineis, alis subfulvis.*

Head piceous, as broad as the chest, covered with pale yellow down, clothed behind and on the sides with white hairs, beset behind the eyes with a few black bristles; clypeus armed with seven or eight long white bristles; eyes bronze; fore part nearly flat, its facets rather larger than those of the other part: lip black, shining, ferruginous, and clothed with very short pale yellow hairs at the tip; palpi black, clothed with black hairs: first and second joints of the feelers tawny, beset with some stout black hairs,—these are mostly on the second joint, which is slightly club-shaped and rather longer than the first; third joint ferruginous, spine-shaped, as long as the first and the second joints: chest tawny, thickly clothed with black hairs, and beset on each side with some very long black bristles, adorned with three blackish brown stripes on the disk; middle stripe including a paler stripe; side stripes short, interrupted by two oblique yellow bands: breast tawny: abdomen ferruginous, thinly clothed with short tawny hairs, narrower than the chest and nearly twice its length, almost linear till near the tip, which is shining; first and second segments short; third and following segments long, but successively decreasing in length: legs ferruginous, clothed with very short tawny hairs; hips dark tawny; shanks beset with very long black bristles; feet armed with short black bristles; claws black; foot-cushions tawny; tips of fore shanks armed with a curved black tooth, corresponding with some little black tubercles at the base of the feet: wings slightly tawny; wing-ribs ferruginous; veins piceous, black towards the tips; poisers tawny. Length of the body 5 lines; of the wings 9 lines.

a. Para. Presented by Gordon Graham, Esq.

Group VIII.

DASYPOGON plumbeus, *Fabr. Syst. Antl.* 165, 8. *Wied. Auss. Zweif.* i. 413, 78. Asilus plumbeus, *Fabr. Ent. Syst.* iv. 382, 27.

a. New Holland.

DASYPOGON Bœbius, n. s. *Fuscus, capite albo, antennis ferrugineis articulo 3° nigro basi ferrugineo, pedibus nigris, alis limpidis venis subfusco limbatis.*

Body brown: head white, a little narrower than the chest, thickly clothed behind and beneath with pale yellow hairs, covered above with yellow down, beset behind the eyes with a row of black bristles; sides of the crown beset with black hairs; front thickly clothed with long pale yellow hairs; clypeus armed with numerous long yellow spines: eyes dark bronze; fore part flat, composed of larger facets than is the rest of the eye: lip and palpi black, the latter and the tip of the former clothed with tawny hairs: feelers ferruginous; first and second joints thickly clothed with pale yellow hairs; second joint much shorter than the first; third joint black, spindle-shaped, ferruginous at the base, as long as the first and the second joints; fourth and fifth joints extremely short: neck beset with a cross row of black bristles: chest clothed with a few short pale yellow hairs, beset on each side and behind with long black bristles: breast covered with a gray bloom and clothed with a few short pale yellow hairs: abdomen narrower than the chest and nearly twice its length, tapering from the base to the tip, thinly clothed with short pale yellow hairs; first and second segments short; third and following segments long, but successively decreasing in length to the tip, which is armed with a circlet of black spines: legs black, clothed with short pale yellow hairs, and beset with very long pale yellow bristles; claws black, tawny at the base; foot-cushions pale tawny; fore shanks unarmed: wings colourless; veins slightly bordered with brown, which hue disappears at the base, at the tips, and along the hind borders; wing-ribs piceous; veins black; poisers tawny. Length of the body 8½ lines; of the wings 12 lines.

a. Port Essington. From Mr. Gould's collection.

Group IX.

DASYPOGON Allia, n. s., fem. *Ferrugineus, capite nigro, thoracis vittis tribus nigris, pectore piceo, abdomine fasciis nigris, pedibus fulvis, femoribus plerumque piceis, alis subfulvis.*

Head black, a little narrower than the chest, covered with tawny down, clothed behind and beneath with tawny hairs, and beset behind the eyes with tawny bristles; clypeus armed with ten or twelve long yellow spines: eyes bronze; fore part flat, its facets not larger than those of the other part: lip black, partly ferruginous, clothed at the tip with short tawny hairs; palpi ferruginous, clothed with tawny hairs; first joint linear; second joint club-shaped, much shorter than the first: neck beset with a cross row of tawny bristles: chest ferruginous, with three broad black stripes, thinly clothed with short tawny hairs, and beset with some tawny bristles on each side; side stripes shortened in front; scutcheon and hind chest piceous, the latter with a large ferruginous spot on each side: breast piceous: abdomen ferruginous, linear for one-third of the length from the base, spindle-shaped thence to the tip, a little narrower than the chest and about twice its length; first and second segments short, black; third and following segments long, but successively decreasing in length to the tip, which is clothed with tawny hairs and armed with a circlet of short ferruginous spines; fore borders of third, fourth and fifth segments black: legs tawny, thinly clothed with tawny hairs, and beset with some tawny spines; hips, hind thighs except the tips, middle thighs from the base to the middle, and fore thighs at the base, piceous; claws black, tawny from the base to the middle; foot-cushions tawny; tips of fore shanks armed with a long curved black tooth, corresponding with a short blunt tooth near the base of the fore feet: wings tawny along the fore half, and along the borders of the veins of the hind half, which is nearly colourless; wing-ribs and veins ferruginous, the latter piceous towards the tips; poisers tawny. Length of the body 12 lines; of the wings 22 lines.

a. ——— ?

DASYPOGON Carus, n. s. *Fulvus. capitis vertice nigro, thorace nigro fulvo quadrivittato, abdomine nigro-fasciato, antennis ferrugineis, pedibus fulvis, femoribus plerumque piceis, alis fulvis discis sublimpidis, apicibus marginibusque posticis subcinereis.*

Head tawny, as broad as the chest, rather thickly clothed with tawny hairs; a black band on the crown between the base of

the feelers and the tubercle of the eyelets; clypeus prominent, armed with long tawny spines; front covered with close golden down: eyes bronze, slightly convex in front, where the facets are but very little larger than in the other part, and the division of the eye into two regions can hardly be traced: lip ferruginous, short, beset with long tawny hairs, and clothed at the tip with short yellow hairs: feelers ferruginous; first and second joints beset with a few ferruginous hairs; second joint cup-shaped, much shorter than the first; third joint slightly tapering from the base to the tip, more than twice the length of the first and second joints: chest and breast black; each side of the chest with a bright tawny stripe, which is widened on the fore part and in front of the scutcheon behind; scutcheon and sides of the hind chest clothed with tawny down, which also more slightly covers the back of the chest where it is disposed in two stripes, and these, like the side stripes, are beset with tawny bristles: abdomen tawny, cylindrical, narrower than the chest and more than twice its length, slightly decreasing in breadth for one-third of its length, and spindle-shaped thence to the tip, clothed with short black hairs, and having a tuft of black bristles on each side of the second segment; first and second segments and fore borders of the third segment black; fourth segment black on the fore border; fifth segment black, excepting the hind border; third segment crossed by a furrow near the base: legs tawny, clothed with short tawny hairs; hips and trochanters black; thighs thickly crossed with little furrows; hind thighs, middle thighs except the tips, and fore thighs at the base, piceous; shanks and feet beset with tawny spines; claws black, tawny towards the base: foot-cushions tawny: fore legs armed with a long curved tawny tooth at the tip of the shank, and with a corresponding short blunt tawny tooth at the base of the foot: wings bright tawny, especially at the base and on the fore borders; tips and hind borders slightly tinged with gray, their disks almost colourless; wing-ribs and veins ferruginous, the latter piceous towards the tips; poisers tawny. Length of the body 7—11 lines; of the wings 12—20 lines.

Allied to Laphria coarctata, *Perty*, *Del. Anim. Art.* 181, *pl.* 36, *f.* 4.

a. ——— ?

Dasypogon Numicius, n. s., fem. *Niger, thoracis lateribus fasciâque ferrugineis, abdomine apice nigro, antennis pedibusque fulvis, femoribus plerumque nigris, alis fulvis.*

Body black, stout: head not broader than the chest, clothed on the crown, behind and about the mouth with dark tawny hairs, and beneath with black hairs: clypeus armed with nine tawny spines;

hypostoma tawny; eyes dark blue, the inner or front part flat, the outer part convex, but all the facets very small and with no perceptible difference in size: lip short, tawny, marked with black, thinly clothed with tawny hairs, and having a tuft of shorter tawny hairs at the tip: feelers tawny; first and second joints of equal length, beset with short black hairs; third joint linear, about twice the length of the first and of the second; fourth joint extremely small: neck short, black, beset with a cross row of tawny bristles: chest and breast dull, very finely and closely punctured: sides of the chest ferruginous, with a few tawny hairs and pale yellow bristles; this ferruginous stripe is widened in the fore part, and also behind, where it forms a band in front of the scutcheon: abdomen ferruginous, smooth, shining, narrower than the chest and about twice its length; first and second segments mostly black; first segment very short; second segment very convex; fourth, fifth and sixth segments black, dull, very finely punctured, their disks more or less ferruginous: the abdomen has a few short tawny hairs, but these are longer and more abundant at the tip, which is armed with short tawny spines: legs tawny, beset with tawny hairs and spines; hips, base of fore thighs, middle thighs from the base to beyond the middle, and hind thighs except their tips, black; fore legs armed with a long curved black tooth at the tip of the shank, and with a short blunt tooth at the base of the feet; claws black, tawny at the base; foot-cushions tawny: wings bright tawny, paler along the hind borders; wing-ribs and veins ferruginous; poisers tawny. Length of the body 10 lines; of the wings 17 lines.

a. ——— ?

Dasypogon Volcatius, n. s. *Ferrugineus, capite nigro, abdomine piceo, antennis pedibusque ferrugineis, alis fulvis marginibus posticis pallidioribus.*

Head black, not broader than the chest, covered between the feelers and the clypeus, and behind, with thick bright tawny down, and slightly clothed behind and beneath with black hairs: clypeus armed with about twelve long white bristles: hypostoma tawny: lip rather longer than the head, beset with a few black hairs, tawny at the base, ferruginous at the tip, where it has a cluster of short yellow hairs; palpi ferruginous, rather long, nearly one-third of the length of the lip, clothed—especially at the tip—with long black hairs: eyes dull brass colour; fore part flat, composed of large facets, which regularly decrease in size as they diverge towards the outer convex part, which, however, is separated from the inner part by a very clearly defined line, the facets in the former being all extremely small and of much less size than the least of those on the front:

first and second joints of the feelers ferruginous, of equal length, beset with short black hairs: chest and breast ferruginous, covered with shining tawny down, and when this is effaced three broad piceous stripes appear on the back; scutcheon tawny; hind chest rather large; sides of the chest beset with black hairs and bristles: abdomen piceous, clothed with short black hairs, slightly shining, linear towards the base, spindle-shaped towards the tip, narrower than the chest, but not twice its length; hind borders of the segments tawny, especially those of the third and fourth segments; first segment very short; second segment also short, rather broad, its sides beset with black hairs and bristles; third segment long, with a cross furrow near the base, which is dark ferruginous; the following segments successively decreasing in length; the tip clothed with a few short tawny hairs, and armed with some short black spines: legs ferruginous, clothed with short black hairs; shanks clothed with short tawny hairs and armed with some black spines; tips of foot-joints also armed with black spines; first joint clothed with tawny hairs; claws black; foot-cushions tawny; fore legs armed with a long black curved tooth at the tip of each shank, and with a corresponding short blunt tawny tooth at the base of each foot: wings bright tawny at the base and along the fore borders, much paler along the hind borders; wing-ribs and veins ferruginous; poisers bright pale yellow. Length of the body 9 lines; of the wings 17 lines.

a. ——— ?

Dasypogon Spinther, n. s. *Ferrugineus, abdomine rufo, basi fasciâque nigris, apice ventreque ferrugineis, antennis pedibusque ferrugineis, femoribus nigro-vittatis, alis fulvis, discis marginibusque posticis subcinereis.*

Body ferruginous: head hardly as broad as the chest, clothed more thickly than usual with tawny hairs: a piceous band on the crown of the head across the eyelets: clypeus thickly beset with tawny bristles: eyes bronze-black, divided as usual into two parts, which are distinctly marked: lip black, short, thick, its tip clothed with a few short yellow hairs: first and second joints of feelers ferruginous, of equal length, clothed with tawny hairs: chest and breast ferruginous, the latter and the sides of the former with large patches of shining tawny down: abdomen slightly convex, hardly narrower than the chest and rather less than twice its length, thinly clothed with short yellow hairs; first and second segments black; first segment very short; second segment rather short, broad and convex, with a red tubercle on each side, where it is beset with tawny hairs and with a black spine; third segment long, red, having

along the fore border a black band, whose hind border is interrupted by a semicircular inlet of the red; fourth segment red, black on the fore border, a little shorter than the third; fifth segment deep velvet-like black, a little longer than the third; sixth segment ferruginous, black on the fore border; seventh segment tawny; under-side ferruginous, shining; each segment with three black spots, the middle one behind the other two, but hardly separate from them: legs ferruginous, thinly clothed with tawny hairs; a black stripe on each thigh; shanks and feet beset with a few black spines; claws black; foot-cushions tawny; fore legs armed with a long black curved tooth at the tip of each shank, and with numerous little corresponding black tubercles at the base of each foot: wings tawny, colourless, or with a slight gray tinge on the disks and from thence to the hind borders; wing-ribs ferruginous; veins partly ferruginous, partly piceous; poisers tawny, with yellow knobs. Length of the body 8 lines; of the wings 16 lines.

a. West Australia. From Mr. Clifton's collection.

Group X.

Dasypogon castaneus, *Macq. Dipt. Exot.* i. 2, 35, 6.
a. ——— ?

Dasypogon brunneus? *Fabr. Syst. Antl.* 165, 9. *Wied. Dipt. Exot.* i. 219, 9. *Auss. Zweif.* i. 382, 26. Asilus brunneus, *Fabr. Mant. Ins.* ii. 359, 20. *Ent. Syst.* iv. 382, 28.
a. Brazil. From Mrs. Mornay's collection.

Dasypogon Alcippe, n. s., mas. *Fulvo-fuscus, thorace fusco trivittato, lateribus albis, abdomine nigro maculis fulvis, antennis pedibusque fulvis, tibiis tarsorumque articulis apice piceis, alis subfulvis.*

Head brown, hardly broader than the chest, covered—especially above and on the front—with thick shining white down, clothed behind and beneath with black hairs, and with a few of the same on the tubercle of the eyelets and above the feelers, having also four long shining white bristles and a few black hairs on the clypeus: lip black, not longer than the head, clothed at the tip with short pale yellow hairs: eyes divided into two spaces; the inner space, or that part of the eye by which the fly sees before it, is blue, flat, and composed of large facets, which successively decrease as they diverge towards the outer part, which is convex, composed of small facets of equal size, and is larger than the inner part, which it half encircles: feelers tawny; first and second joints beset with black hairs; second

joint a little longer than the first, covered with long black bristles: fore chest brown, covered on the hinder part with a white bloom: chest yellowish brown, with three broad rich brown stripes in the middle, and a brilliant white stripe on each side, where there are two or three long white spines; the middle brown stripe is shorter than the side stripes, and does not reach the scutcheon, which is rich brown and has a tawny hind border covered with white bloom: breast hoary, with a tawny oblique band on each side: abdomen cylindrical, black, shining, clothed with short black hairs, much narrower than the chest and much more than twice its length; first segment very short, tawny at the base; second segment semicircular, gibbous in the middle, tawny on each side; third segment long, tawny, with a long triangular black spot, whose tip approaches the fore border, which is yellowish; fourth segment tawny on each side, longer than the third; fifth and three following segments covered with a hoary bloom; seventh and eighth short, piceous; tip of the abdomen armed with short tawny spines; under-side dull black, excepting the segments from the first to the fourth, which are dull tawny: legs tawny, clothed with short black hairs; tips of shanks and of the joints of the feet piceous; hips covered with a hoary bloom; thighs with a few yellow spines; shanks with more and longer spines, and these are still more frequent on the feet, where the black hairs are also more abundant; claws black, tawny at the base; foot-cushions yellow: wings tawny, especially at the base and along the borders of the veins; disks of the areolets mostly colourless; wing-ribs and veins tawny, the latter piceous on the fore borders; poisers tawny. Length of the body 10 lines; of the wings 18 lines.

a. Port Natal. From Dr. Krauss's collection.

Dasypogon Herennius, n. s., fem. *Rufo-fuscus, capite fulvo, thorace vittis tribus nigris, abdomine piceo, antennis nigris, pedibus fulvis, tibiis ferrugineis, tarsis piceis, alis fuscis.*

Body rich reddish brown: head tawny, a little broader than the chest; hinder part dark tawny, and beset with black bristles along the borders of the eyes; front covered with pale yellow shining down; clypeus armed with long white spines: eyes bronze; the fore part flat, composed of large facets, forming an edge along its border and quite distinct from the other part; lip black, shining, longer than the head, its tip clothed with short tawny hairs; palpi black, rather long, clothed with long black hairs: feelers tawny; first and second joints beset with a few black bristles; second joint a little longer than the first; third joint spindle-shaped, black at the tip, beset with short black bristles, a little longer than the first and second joints: chest with three black stripes; the two side stripes

short, oblique and rather indistinct; the middle one linear, longer and broader, its fore part divided lengthwise by a narrow line: breast and sides of the chest paler, the latter beset with a few long stout black bristles: abdomen piceous, shining, linear, flat, obconical, a little narrower than the chest and more than twice its length, obconical and red towards the tip, which is armed with short black spines; under-side paler, dull; first segment very short; second segment short, broader and more convex; third segment long; the following segments successively decreasing in length: legs tawny, covered with short black hairs; hips pale reddish brown, with a few tawny bristles; thighs covered at the base with shining yellow down; shanks and feet clothed more thickly than the thighs with black hairs; shanks ferruginous, beset with a few black spines, which are longer towards the tips; feet piceous, more thickly armed with short black spines, pale tawny towards the base; claws black, each with a stout tooth at the base beneath; foot-cushions pale tawny; fore shanks armed at the tip beneath with a black stout curved tooth, corresponding to some little black tubercles beneath the base of the feet: wings dark brown, paler on the lower border towards the base and on some of the areolets of the disk; wing-ribs and veins piceous, the latter black towards the tips. Length of the body 9—10 lines; of the wings 14—16 lines.

a. Cincinnati. Presented by E. Doubleday, Esq.

Dasypogon Duillius, n. s. *Fulvus, thorace fusco trivittato, alboque maculato, abdomine piceo lateribus ferrugineis, antennis fulvis, pedibus ferrugineis, alis fuscis.*

Head tawny, a little broader than the chest, piceous on the crown, where, as well as along the hind rims of the eyes, it is beset with black bristles; it is clothed beneath with tawny hairs, and thickly covered between the base of the feelers and the clypeus with pale yellow down; clypeus armed with ten or twelve long white bristles: lip short, black, tawny towards the base, where it has some tawny hairs, and there is a little tuft of short yellow hairs at the tip; palpi rather long, tawny and clothed with tawny hairs towards the base, ferruginous and clothed with black bristles towards the tip: eyes brassy green; fore part flat, composed of large facets, which diminish in size as they diverge towards the outer and convex part of little unvarying facets, but the division is not near so distinct as in some other species: feelers tawny; first and second joints beset with black bristles; second joint much longer than the first; third joint very long, spindle-shaped, longer than the first and the second joints, but not twice their length, clothed with a few black hairs: fore chest short: chest dark tawny, paler on each side,

adorned with three rich dark brown stripes; middle stripe longer than the side stripes, ferruginous in front and coming near to the scutcheon behind; side stripes much shorter in front and a little longer behind; there is also a white mark on each side near the fore chest; sides of the chest beset with some black hairs and longer black bristles: breast partly covered with a hoary bloom: abdomen cylindrical, piceous, rather thickly clothed with short black hairs, much narrower than the chest and twice its length; sides of the segments ferruginous; under-side also ferruginous, and having a piceous stripe along its whole length; first and second segments short; the following segments, from the third to the tip, successively decreasing in length: legs ferruginous, clothed with short black hairs; shanks beset with a few black bristles, their tips and the tip of each foot-joint armed with a circlet of black spines; shanks at the base and foot joints (excepting their tips) tawny; claws black; foot-cushions pale yellow; fore legs armed with a long curved black tooth at the tip of the shank, and with a short blunt tawny tooth at the base of the foot: wings brown, darkest at the base and along the fore border for half the length; wing-ribs and veins piceous; poisers dark tawny. Length of the body 12 lines; of the wings 22 lines.

a. Honduras. From Mr. Miller's collection.

Dasypogon Carvilius, n. s., fem. *Ferrugineus, capite nigro, thorace nigro quadrivittato, scutello fulvo, abdomine apice piceo, antennis fulvis apice nigris, pedibus ferrugineis, alis fulvis basi et ad costam subfuscis.*

Head black, not broader than the chest, tawny on the front, clothed behind and beneath with black hairs, and having a few black bristles on the crown and along the rims of the eyes; clypeus armed with about twelve white bristles, and having also a few white hairs: lip short, black, shining, tawny at the base, furnished with a few tawny hairs, and having a tuft of short yellow hairs at the tip; palpi black, rather long, clothed with tawny hairs and black bristles, the latter chiefly at the tips: eyes dull bronze; fore part flat, composed of large facets, which, however, decrease in size as they diverge towards the outer part; the latter, or the means of the upward, the downward and the side sight, are, as usual, convex and composed of very small facets of equal size: feelers tawny; first and second joints beset with short black hairs; second joint a little shorter than the first; third joint black, very long spindle-shaped, clothed with a few black hairs, nearly twice the length of the first and of the second; fourth joint very small: fore chest black, furrowed across, beset with black bristles: chest and breast ferruginous, with a few black hairs and bristles: chest with four black stripes; the two middle

stripes narrow, long and linear; the outer stripes short, broad, and not extending over the fore part of the chest; scutcheon tawny: abdomen ferruginous, dull, very finely punctured, clothed with short black hairs, and towards the tip with longer tawny hairs, somewhat narrower than the chest and about twice its length; base and last three segments more or less piceous on the back; first and second segments short, beset on each side with black bristles; third segment long, with a cross impression before the middle; fourth and following segments successively decreasing in length to the tip: legs ferruginous, rather thickly clothed with short tawny hairs; hips black; shanks having very few black spines, but these are more frequent on the feet, especially towards the tips of the joints; claws black; foot-cushions pale yellow; fore legs armed with a long curved black tooth at the tip of the shank, and with a short blunt tawny foot at the base of the foot: wings tawny, with a brown tinge at the base and along the fore border for about half the length; wing-ribs and veins ferruginous; poisers tawny. Length of the body 9 lines; of the wings 16 lines.

a. ——— ?

Group XI.

Dasypogon Libo, n. s. *Canus, thoracis disco fusco vittis tribus pallidioribus, abdomine rufo-fusco basi apiceque pallidioribus, antennis pedibusque nigris, alis subfuscis fusco subvittatis.*

Body dull: head hardly as broad as the chest, covered with thick shining yellowish white down, clothed behind and beneath with yellow hairs, and having a few black hairs on the crown and on the tubercle of the eyelets: rims of the eyes beset with black bristles: clypeus armed with eight long pale yellow bristles, and also beset with some tawny hairs and long black bristles: lip black, a little longer than the head, clothed with very few long yellow hairs, and having a group of short yellow hairs at the tip; tongue ferruginous; maxillæ and labrum tawny: eyes black, with a very slight purplish tint; fore part, its facets large, but decreasing in size as they diverge towards the convex part, not however so as to blend with the latter, which has extremely small facets: feelers black, a little longer than the head; first and second joints of equal length, beset with black bristles; third joint long club-shaped, nearly as long as the first and the second joints, but much more slender: fore chest distinct, with a cross furrow: chest and breast hoary; disk of the chest dark brown, with three narrow indistinct pale stripes; sides beset with black bristles; breast clothed with long yellowish white

hairs: abdomen decreasing in breadth from the base to the tip, clothed with short yellow hairs, narrower than the chest and rather less than twice its length; first segment short, black; second segment a little longer, rather broad, covered with a tawny bloom, its sides beset with pale yellow bristles; third segment long, with a cross suture near its base; the following segments successively decreasing in length to the tip, which is armed with short piceous spines; third, fourth and fifth segments bright reddish tawny; sixth and following segments black, shining, with numerous but very slight cross furrows: legs black, thinly clothed with tawny hairs; hips hoary; thighs with some black spines; more of these on the shanks, and still more on the feet, which are also most hairy; claws black; foot-cushions tawny; fore legs unarmed: wings light brown, darker at the base and along a streak in the disk; wing-ribs and veins piceous; poisers tawny. Length of the body 11 lines; of the wings 20 lines.

a. East Indies. From Archdeacon Clerk's collection.

Dasypogon Ædon, n. s. *Niger, thorace fulvo trivittato, pectore fulvo, abdomine cinereo albo fuscoque vittato, antennis pedibusque nigris, alis subfulvis apice cinereis.*

Body deep velvet-like black: head short, a little broader than the chest, covered with shining pale yellow down between the clypeus and the base of the feelers, hoary and clothed with black hairs behind and beneath; crown beset with some black hairs; clypeus armed with long black hairs and still longer white bristles: eyes bluish black, divided as usual into two parts, which are distinctly marked: lip black, clothed with black hairs at the base, tawny and bearing a group of short yellow hairs at the tip: feelers black; first and second joints of equal length, beset with black bristles and hairs; third joint club-shaped, as long as the first and the second joints, narrower than them at the base, but much broader at the tip: chest with three stripes and some other traces of pale tawny down; sides beset with black bristles and hairs, and there are a few of the latter—but of smaller size—on the back: breast pale tawny, with a hoary bloom, thinly clothed with pale hairs, and having a more or less brown tinge where it joins the chest: abdomen nearly linear, but somewhat increasing in breadth at the base and at the tip, clothed with short yellow hairs and at the tip with longer yellow hairs and black bristles, much narrower than the chest and less than twice its length; first segment very short; second segment a little longer, with a cluster of yellow hairs and black bristles on each side; third segment long, divided into two parts by a cross furrow; the fore part gray, the hind part white; on the furrow between them are

two rows of round punctures, of which the three on each side of the middle of the furrow form an angle upwards; segments from the third to the last successively decreasing in length; fourth segment white, and having on its fore border two rows of punctures disposed like those of the preceding segment; fifth segment white, with a single row of punctures on its fore border, having—as has also the fourth—some punctures on the middle of each side; sixth segment deep rich brown, white on each side of the fore border, where there is a single row of punctures; seventh and eighth segments black; under-side gray, black at the tip: legs black, clothed with black hairs; shanks beset with some black bristles, more hairy than the thighs, but less so than the feet, where the black bristles are also most numerous; claws black; foot-cushions piceous; fore legs armed with a long curved black tooth at the tip of the shank, and with a short obtuse black tooth at the base of the foot: wings with a very slight tawny tinge, gray at the tips; wing-ribs and veins black; poisers piceous. Length of the body 8 lines; of the wings 16 lines.

a. Venezuela. From Mr. Dyson's collection.

Dasypogon Otacilius, n. s. *Niger, capite nigro-fusco, thorace albo quadrivittato, abdomine croceo basi piceo apice ferrugineo, antennis nigris, pedibus ferrugineis, tibiis tarsisque apice, genubus, femoribus supra coxisque nigris, alis fulvo-fuscis cæruleo micantibus ad costam cinereis.*

Head dark brown, white and clothed with black hairs behind, covered with dark ferruginous silky down between the base of the feelers and the clypeus, which is armed with six long black bristles and with some black hairs; there is a band of the same ferruginous hue between the base of the feelers and the tubercle of the eyelets: eyes dark bronze colour, divided as usual into two parts, which are distinctly marked: lip black, ferruginous and clothed with short whitish hairs at the tip: feelers black; first and second joints of nearly equal length, clothed with black hairs; third joint long club-shaped, conical at the tip, more than twice the length of the first and of the second joints: fore chest and chest deep velvet-like black, the latter with four shining white stripes; the two middle stripes are short in front, but the side stripes are longer, and converge towards each other on the fore border of the chest; scutcheon, hind chest and breast also more or less overspread with silvery white down: abdomen orange, decreasing in breadth from the base to the tip, clothed with a few yellow hairs, narrower than the chest and less than twice its length; first segment piceous, very short; second segment short, rather broad and convex, and having a cluster of

yellow bristles on each side; third segment very long, with the usual cross furrow; the following segments successively decreasing in length; fourth and succeeding segments ferruginous, shining, furrowed with very slight and small cross lines; tip armed with short black spines; under-side more dull: legs ferruginous, clothed with short black hairs; hips, thighs above, knees, tips of shanks and of feet black; shanks and feet armed with black spines; claws black; foot-cushions yellow; fore legs not armed; wings yellowish brown, dark gray along the fore borders, adorned with a dark blue lustre; wing-ribs and veins black; poisers pale tawny. Length of the body 8 lines; of the wings 15 lines.

a. East Indies. From Archdeacon Clerk's collection.

Group XII.

Dasypogon Sura, n. s., mas. *Niger, pilis albis vestitus, thorace albo quadrivittato, abdomine apice rufo, antennis pedibusque nigris, tibiis anterioribus fulvis, alis nigro-fuscis.*

Body black: head as broad as the chest, white and clothed with white hairs behind and beneath, where the hairs are long, thick and silky; sides of the crown covered with a few black hairs; clypeus beset with black bristles: eyes bronze; fore part quite flat and composed of large facets: lip black, shining, ferruginous at the tip, with short tawny hairs at the tip; palpi black and clothed with black hairs: feelers black; first and second joints beset with a few short black hairs; second joint slightly club-shaped, as long as the first; third joint broader, spindle-shaped, longer than the first and the second joints; fourth and fifth joints rudimentary: a row of hairs along the sides of the fore chest: chest thinly clothed with short black hairs, beset on each side and behind with black bristles, adorned with four white stripes, of which the middle pair are straight and narrow, the side pair are broader and follow the curve of the chest: breast clothed with white silky hairs: abdomen cylindrical, very slightly tapering from the base towards the tip, where it again widens, narrower than the chest and less than twice its length, clothed with white silky hairs, which disappear towards the fore border of each segment; first and second segments short; third and following segments long, but successively decreasing in length to the tip, which is red and shining: legs black, clothed with short black hairs, and beset with some black bristles; tips of feet furnished with some long hairs; claws black; foot-cushions tawny; fore shanks and middle shanks tawny beneath; fore shanks unarmed:

wings blackish brown; wing-ribs and veins black; poisers tawny. Length of the body 7 lines; of the wings 13 lines.

a. East Indies. From Archdeacon Clerk's collection.

Dasypogon Volcatus, n. s., fem. *Flavo-fusca, metathorace et pectore flavis, abdomine rufo apice nigro, antennis fulvis, pedibus rufis, tibiis posticis femoribusque apice nigris, femoribus posticis piceo cinctis basique flavo vittatis, alis flavo-fuscis illis clavatis.*

Head broader than the chest, black on the crown and behind, thickly clothed with shining pale yellow down between the mouth and the feelers; clypeus armed with two long pale yellow bristles; hypostoma black, beset with black bristles; under-side dark tawny and rather hairy: eyes piceous, with a bronze tint, divided into two parts by the different sizes of the facets; the larger facets in front, the smaller on each side occupying the greater part of the surface and half encircling the rest: mouth black, a little longer than the head, beset with a few black hairs, and having a tuft of short tawny hairs at the tip: feelers tawny; first and second joints of nearly equal length, beset with a few black hairs and tawny bristles; third joint spindle-shaped, with a few short black hairs, as long as the first and the second joints, but rather broader: fore chest tawny: chest thickly covered with close yellowish brown down, tawny on each side: hind chest pale yellow: breast dull yellow: abdomen red, shining, nearly cylindrical and linear, but rather more slender at the base and at the tip, rather narrower than the chest and very nearly thrice its length; fifth and sixth segments partly, and the following segments wholly, black: legs red, beset with short black hairs and red bristles; feet clothed beneath with bright yellow down; tips of the thighs and of the shanks of the hind legs black; a narrow pale yellow band at the base of each hind thigh, succeeded by a broad but not well-defined piceous band: hind shanks somewhat club-shaped at the tips: hind feet not thicker than the others: wings yellowish brown, darkest for two-thirds of the length along the fore border, which is straight; wing-ribs and veins ferruginous, the latter piceous towards the tips; poisers yellow, with ferruginous knobs. Length of the body $7\frac{1}{2}$ lines; of the wings 12 lines.

a. East Indies. From Archdeacon Clerk's collection.

Dasypogon Garamas, n. s. *Ferrugineus, thorace vittis duabus obscurioribus, pectore pedibusque fulvis, alis fulvis marginibus anticis subconvexis.*

Body ferruginous: head a little broader than the chest, adorned between the eyes with a thick coating of shining yellow down, beset with black bristles on the tubercle, where the eyelets are seated, and

with pale yellow bristles in front, and with more pale yellow hairs beneath: eyes piceous, divided into two regions by the difference in size of the facets; the first part, composed of large facets, is flat, and occupies the crown; the second part, composed of small facets, is much larger than the first, which it half encircles: mouth tawny, piceous at the tip, a little longer than the head: feelers tawny; first and second joints beset with black bristles; second joint a little longer than the first; third joint piceous, spindle-shaped, tawny at the base, a little longer than the first and the second joints; fourth joint piceous, conical, very small: chest with two indistinct dark stripes and having four rows of black bristles, two of them on the stripes, and two on each side, where the chest is paler: breast tawny: abdomen cylindrical, shining, rather darker towards the base, and slightly decreasing in breadth from thence to the tip: legs tawny, beset with hairs and bristles of the same colour: wings tawny, especially along the borders of the veins; fore borders very slightly convex; wing-ribs and veins ferruginous; poisers tawny. Length of the body 6 lines; of the wings 10 lines.

a. ——— ?

Dasypogon Sergius, n. s. *Ferrugineus, thorace nigro bivittato, abdominis fasciis duabus mediis nigris, antennis ferrugineis, pedibus fulvis, alis limpidis ad costam subfulvis.*

Body ferruginous, thinly clothed above with tawny hairs: head thickly clothed behind and beneath with yellow hairs; crown piceous; front covered with close shining tawny down; clypeus armed with eight long pale yellow bristles: eyes black, the front part flat and composed of larger facets, but the difference in point of size is not so conspicuous as in many other species: lip short, stout, piceous, tawny at the base, ferruginous and covered with a cluster of yellow hairs at the tip: feelers ferruginous; first and second joints beset with tawny hairs; second joint much shorter than the first; third joint nearly linear, longer than the first and the second joints; fourth joint small, shorter than the second; fifth joint extremely small: fore chest short, its disk mostly black: two broad black stripes on the chest: breast and sides of the chest partly covered with shining yellow down, the latter beset with pale yellow bristles: abdomen nearly cylindrical, thinly clothed with very short yellow hairs, much narrower than the chest and more than twice its length, its breadth decreasing from the base to the fourth segment, and thence slightly increasing to the tip; first segment extremely short; second segment piceous, short, broad, convex, beset on each side with long yellow hairs; third segment long, with two broad black stripes along its whole length, having a cross suture and a cross row of punctures

near its base, where it is furrowed with very little cross lines,—its sides are covered with yellow hairs of moderate length; the following segments successively decreasing in length; fourth segment with two black stripes, which cease before its hind border; tip clothed with rather long ferruginous hairs; under-side tawny, shining, not hairy: legs tawny, thinly clothed with yellow hairs; hips mostly piceous; shanks and feet armed with yellow spines; claws black, tawny towards the base; foot-cushions pale tawny; fore legs armed with a long curved ferruginous tooth at the tip of the shank, and with a few corresponding little black tubercles at the base of the foot; hind legs much longer than the rest: wings colourless, with a slight tawny tinge on the fore part; wing-ribs and veins black; poisers tawny. Length of the body 7 lines; of the wings 12 lines.

a. New Holland. Presented by the Haslar Hospital.

Dasypogon Hypsaon, n. s., fem. *Fulvus, capite cano, abdomine ferrugineo apice nigro, antennis fulvis piceo variis, pedibus ferrugineis, tarsis piceis, alis fuscis.*

Body tawny: head hoary, a little broader than the chest, almost hairless; crown piceous; clypeus armed with two long pale yellow bristles: eyes dark bronze; fore part flat, its facets larger than those of the other part: lip and palpi black, the latter thickly clothed with black hairs: feelers tawny; first joint linear; second joint subclavate, clothed with a few short black hairs, a little shorter than the first; third joint spindle-shaped, piceous in the middle part, longer than the first and the second joints: chest hairless, beset with one or two pale yellow bristles on each side; breast paler: abdomen ferruginous, smooth, shining, almost hairless, narrower than the chest and full twice its length, increasing in breadth from the base till near the tip; first segment very short; second segment with a piceous disk; third and following segments long; fifth and following segments mostly black: legs ferruginous, long and slender, clothed with short ferruginous hairs; shanks with one or two tawny bristles towards the tips; feet piceous and beset with tawny spines; claws black; foot-cushions tawny: wings dark brown; wing-ribs ferruginous; veins black; poisers tawny. Length of the body 6 lines; of the wings 10 lines.

a. China. Presented by G. T. Lay, Esq.

DASYPOGON Cerco, n. s., fem. *Fulvus, thorace ferrugineo, disco flavo-fusco, abdomine ferrugineo basi piceo apice nigro, antennis fulvis apice ferrugineis, pedibus fulvis, alis fuscis.*

Head tawny: chest clothed with pale golden down above and with whitish down beneath, piceous on the crown, beset with a few short black hairs along the borders of the eyes; clypeus armed with a few tawny slender hairs and with two long tawny bristles: eyes piceous, bronze here and there; fore part flat, bright bronze, and also distinguished by its larger facets; first and second joints of the feelers pale tawny, of nearly equal length, covered with a few short tawny hairs; second joint having also a long tawny bristle; third joint spindle-shaped, ferruginous, tawny at the base, as long as the first and the second joints: lip black, shining, clothed at the tip with short tawny hairs: palpi black, beset with black bristles: hypostoma tawny: chest pale ferruginous, yellowish brown and clothed with tawny down on the disk, beset with two or three tawny bristles on each side: breast tawny and clothed with pale tawny down: abdomen ferruginous, hardly narrower than the chest, but more than twice its length, narrow and linear towards the base, broader and spindle-shaped from thence to the tip, thinly clothed with very short black hairs; first and second segments short, piceous; third and following segments long, but successively decreasing in length; third segment with a cross furrow near the fore border; fourth segment widening to the hind border; fifth and following segments black, with ferruginous hind borders: legs tawny, slender, thinly clothed with very short black hairs; knees and tips of shanks armed with some pale tawny spines; tips of feet piceous; claws black, tawny at the base; foot-cushions pale tawny: wings brown, rather paler towards the tips and along the hind borders; wing-ribs tawny; veins piceous, black towards the tips; poisers tawny. Length of the body 5 lines; of the wings 8 lines.

a. Hong-Kong, China. Presented by J. C. Bowring, Esq.

DASYPOGON Acratus, n. s. mas. *Piceus, abdomine nigro, basi ferrugineo, antennis piceis, pedibus ferrugineis, tarsis piceis, alis fuscis.*

Head piceous, beset with a few black hairs and bristles, which are mostly beneath, having on the front a protuberance crowned with two tubercles, from whence proceed two long black bristles: eyes reddish bronze; fore part flat, composed of large facets: mouth black: feelers piceous, not longer than the head; first and second joints beset with stout black hairs; second joint a little longer than the first; third joint oval, compressed, furnished with a few short black hairs, rather longer than the first and the second joints, and full twice their breadth: chest and breast piceous,

thinly clothed with short black hairs; breast a little paler than the chest: abdomen black, clothed with short black hairs, rather more slender towards the base, narrower than the chest and very nearly thrice its length; segments from the first to the fourth ferruginous: legs ferruginous, covered with short black hairs; shanks beset with a few bristles; hips and feet piceous; hind legs slender: wings dark brown; fore borders straight; wing-ribs and veins piceous; poisers tawny. Length of the body 5—6 lines; of the wings 7—10 lines.

a. ——— ?

Group XIII.

Dasypogon Maricus, n. s., mas. *Fulvus, thoracis vittis tribus nigris, humeris ferrugineis, pectore cano, antennis pedibusque fulvis, alis limpidis.*

Head tawny, covered with white down, nearly as broad as the chest, clothed behind and beneath with white hairs; clypeus and front very thickly covered with long white bristles: lip black, shining; tongue ferruginous; palpi black, hairy; feelers tawny, thinly clothed with short white hairs; second joint cup-shaped, much shorter than the first: eyes dark bronze; fore part slightly convex, its facets but little larger than those of the rest of the eye: chest tawny, with a broad black stripe on the back, and a shorter and more indistinct stripe on each side, clothed with very short black hairs, and beset on each side and behind with yellowish white bristles; shoulders ferruginous: breast hoary and clothed with a few white hairs: abdomen tawny, flat, tapering from the base to the tip, narrower than the chest and rather less than twice its length, clothed with short white hairs and beset with one or two white spines on the sides of the hind borders of each segment; hind borders of the segments paler; tip ferruginous; segments from the third successively decreasing in length: legs tawny, clothed with short white hairs; hips hoary and beset with white bristles, of which there are also a few on the thighs, but more on the shanks and most on the feet; claws black, tawny at the base; foot-cushions pale tawny: wings colourless; wing-ribs and veins ferruginous; poisers yellow. Length of the body 7 lines; of the wings 10 lines.

a. ——— ? Presented by Captain Lord Byron.

Group XIV.

DASYPOGON Clælius, n. s., mas. *Nigro-fuscus, pectore thoracisque lateribus fulvo-cinereis, abdomine purpureo-cupreo, antennis ferrugineis apice piceis, pedibus ferrugineis, alis limpidis.*

Body dark brown: head nearly as broad as the chest, clothed with long brown hairs; clypeus and sides of the front white, the former very thickly beset with black hairs: eyes dark bronze; fore part flat, very distinct, composed of large facets, and darker than the other part: lip black, shining, clothed at the tip with short tawny hairs; palpi black and beset with black hairs: feelers ferruginous, piceous at the tips; first and second joints of equal length, clothed with black hairs; second joint subclavate; third joint spindle-shaped, much longer than the first and the second: chest thickly clothed with long brown hairs; breast and sides of the chest gray with a tawny tinge, and clothed with short brown hairs: abdomen purplish bronze, smooth, shining, nearly cylindrical, twice the length of the chest, thickly clothed on each side with brown hairs and on the back with shorter hairs; third and following segments long, but successively decreasing in length to the ninth: legs long, slender, ferruginous, thickly clothed with black hairs, which are very short on the shanks and on the feet; hips, trochanters, and tips of feet piceous; shanks and feet beset with black bristles; claws black, ferruginous at the base; foot-cushions tawny: wings quite colourless; wing-ribs, veins, and poisers tawny. Length of the body 7 lines; of the wings 12 lines.

a. Cape. Presented by the Entomological Club.
b. Cape.

DASYPOGON Tapulus, n. s., fem. *Cano-fulvus, pectore cano, abdominis apice ferrugineo, antennis fulvis apice ferrugineis, pedibus fulvis, tibiis apice tarsisque piceis, alis limpidis, venis fulvo sublimbatis.*

Head brown, covered with dull yellowish white down, clothed behind the eyes with a few tawny hairs; clypeus armed with four long yellowish white bristles: eyes bronze; fore part nearly flat; its facets rather larger than those of the other part: lip black, shining, ferruginous at the base, clothed with short tawny hairs at the tip; palpi piceous, clothed with tawny hairs: hypostoma tawny: first and second joints of the feelers tawny, of nearly equal length, beset with some short stout black hairs; second joint slightly cup-shaped, armed with a few black bristles; third joint broader, spindle-shaped, ferruginous, a little longer than the first and the second: chest pale

tawny, with a hoary tinge, thinly clothed with very short black hairs, and beset on each side with a few tawny bristles; brown on the disk, with the exception of two stripes, which are indistinct towards the fore border: breast hoary: abdomen linear at the base, broader, and spindle-shaped towards the tip, nearly as broad as the chest, and more than twice its length, covered with a dull tawny bloom, but black and shining when this is effaced; first and second segments short; third segment long, with a cross furrow near the fore border; fourth and following segments successively decreasing in length to the tip, which is ferruginous, and armed with a circlet of black bristles: legs tawny, thinly clothed with very short black hairs, and beset with some tawny spines; hips hoary; tips of shanks piceous; feet piceous, tawny at the base; claws black, tawny at the base; foot-cushions pale tawny; fore shanks not armed: wings colourless, with a tawny tinge along the borders of the veins; wing-ribs dark ferruginous; veins piceous; poisers tawny. Length of the body 6 lines; of the wings 9 lines.

a. Cape. Presented by the Entomological Club.

Group XV.

Dasypogon Decula, n. s. *Fulvus, abdomine rufo-fusco basi ferrugineo, antennis piceis, pedibus flavis, alis cinereis.*

Head tawny, full as broad as the chest, rather thickly clothed behind and beneath with pale yellow hairs, and with a few black hairs on the piceous tubercle of the eyelets; front and clypeus adorned with golden hairs, the latter has likewise six very long black bristles: eyes bronze-colour; the fore part flat, and composed of large facets, which, though they decrease in size as they diverge, are easily distinguished from the small facets of the outer part: lip black, longer than the head, clothed at the tip with tawny hairs; feelers piceous; first and second joints beset with tawny hairs; second joint much shorter than the first; third joint nearly linear, conical at the tip, much longer than the first and the second: chest and breast tawny, clothed with yellow hairs; disk of the chest pale brown; sides beset with black bristles: abdomen linear, flat, reddish brown, a little narrower and much longer than the chest, but not twice its length, clothed with short yellow hairs, ferruginous for near one-third of its length from the base: legs yellow, clothed with yellow hairs; hips, knees, and tips of the feet ferruginous; claws black; foot-cushions tawny; fore legs unarmed: wings gray; wing-ribs and veins piceous, the latter black towards the tips; poisers tawny. Length of the body 6 lines; of the wings 13 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

DASYPOGON Coon, n. s. *Fulvus, capite thoracisque disco fuscis, pedibus fulvis, alis limpidis.*

Distinguished from the other species by the large facets of the eyes, which are cupreous; their fronts are slightly convex, and the boundary between the two parts is not clearly defined: head covered above with brown down; clypeus armed with four long black bristles: lip short, ferruginous, its tip covered with short yellow hairs: chest and breast tawny: chest clothed with some yellow hairs, and beset on each side with yellow bristles; its disk brown: legs tawny, beset with tawny bristles and hairs: wings colourless; wing-ribs, veins, and poisers tawny. Length of the body 5 lines; of the wings 10 lines.

a. ——— ?

Group XVI.

DASYPOGON Barrus, n. s., fem. *Cinereus, pilis albis vestitus, pectore cano, abdominis fasciis canis, antennis nigris, pedibus canis, alis limpidis.*

Body gray: head narrower than the chest, clothed thinly above and very thickly behind and beneath with white hairs; clypeus thickly beset with long white hairs: eyes black; fore part slightly convex, with facets very little larger than those elsewhere on the eye: lip black, shining: feelers black; first and second joints hairy; second joint shorter than the first; third joint spindle-shaped, very much longer than the first and the second: chest thinly clothed with short white hairs, and beset on each side with a few white bristles: breast hoary, clothed with longer white hairs: abdomen as broad as the chest and much longer, but not twice its length, slightly increasing in breadth from the base to one-third of the length, and tapering thence to the tip, rather flat, clothed with white hairs; hind borders of the segments hoary; first segment very short; second segment moderately long; third segment long; fourth and following segments successively decreasing in length; eighth segment very short; ninth segment a little longer: legs hoary, thickly clothed with white hairs, and beset with a few short white spines; fore shanks not armed; claws black; foot-cushions dark tawny; wings colourless; wing-ribs piceous; veins black, piceous at the base; poisers tawny. Length of the body 5 lines; of of the wings 9 lines.

a. ——— ? From Mr. Children's collecion.

Group XVII.

DASYPOGON viduus, n. s., mas. *Niger, cinereo pubescens, thoracis vittis duabus cinereis, antennis pedibusque nigris, alis subcinereis apice obscurioribus.*

Body black; head narrower than the chest, clothed with gray down, beset behind the eyes with a row of black bristles, thinly clothed beneath wtth gray hairs; crown piceous, beset on each side with black hairs; clypeus armed with twelve long black spines: eyes black; fore part flat; its facets a little larger than those of the convex part: lip piceous, clothed at the tip with tawny hairs; hypostoma and palpi black, clothed with black hairs: feelers black; first and second joints clothed with long black hairs; second joint a little shorter than the first; third joint spindle-shaped, nearly as long as the first and the second, clothed above with short black hairs; fourth joint short; fifth joint extremely short: chest covered with gray down, beset on each side and behind with long black bristles; disk black, excepting two gray stripes, which are widened in front and behind, and are beset with a few short black hairs: abdomen slightly shining, with an indistinct gray stripe on each side, tapering from the base to the tip, narrower than the chest and more than twice its length, thinly clothed with very short black hairs, and having also a few longer gray hairs at the base and on the underside; the black hairs are more numerous at the tip; first and second segments short; third and following segments long, but successively decreasing in length; third segment with a cross row of punctures on the furrow near the base: legs black, thinly clothed with short gray hairs; shanks and feet beset with black spines; feet long, clothed beneath with dark tawny down; claws black; foot-cushions dark tawny; tips of fore shanks armed with a curved black tooth, corresponding with a large black tubercle at the base of the fore feet: wings very slightly gray, dark gray at the tips; wing-ribs piceous; veins black, piceous at the base; poisers yellow. Length of the body 6—7 lines; of the wings 10—12 lines.

a. Colenso, New Zealand. Presented by Dr. J. Hooker.

DASYPOGON sexfasciatus? *Say, Journ. Acad. Phil.* iii. 50, 1. *Wied. Auss. Zweif.* i. 408, 68.
a. Nova Scotia. From Lieut. Redman's collection.

DASYPOGON argenteus? *Say, Journ. Acad. Phil.* iii. 51, 4. *Wied. Auss. Zweif.* i. 409, 69.
a. Nova Scotia. From Lieut. Redman's collection.

DASYPOGON guttula? *Wied. Dipt. Exot.* i. 228, 27. *Auss. Zweif.* i. 411, 74. Mas. et fem.—*Niger, capite fulvo-cinereo, thorace cinereo-nigro, pilis nonnullis longis nigris vestito, abdomine nigro-æneo nitente nigroque pubescente, subtus obscuro pilisque canis vestito, antennis pedibusque nigris, alis limpidis.*

Body black: head gray, with a tawny tinge, covered with rather long hoary hairs, as broad as the chest: eyelets seated on a tubercle: eyes dark red: mouth black, very short: feelers black; second joint about half the length of the first: chest and breast having a gray bloom, and slightly covered with long black hairs: abdomen much narrower and longer than the chest, but not twice its length, cylindrical, shining, and with a metallic tint above, dull beneath, covered with black down, and clothed beneath with hoary hairs, which are longest, and most frequent at the base: legs rather short and stout, black, shining, clothed with black down, and beset with hoary hairs and black bristles; hind shanks club-shaped; hind feet wide, especially the first joint, which is as long as the three following joints, and much broader: wings colourless; wing-ribs and veins piceous, the latter black towards the tips; poisers tawny. Length of the body 2½ lines; of the wings 4 lines.

a. New York. Presented by E. Doubleday, Esq.
b. Ohio. Presented by the Entomological Club.
c. ——— ?

DASYPOGON Falto, n. s., mas. et fem. *Niger, capite pectoreque cano pilosis, thorace fulvo quinquevittato, abdominis segmentis utrinque cano fasciculatis, antennis pedibusque nigris, tibiis tarsisque basi flavis, alis limpidis apice subcinereis.*

Body black: head a little broader than the chest, covered with a brown bloom, thickly clothed above and behind with black hairs, and beneath with white hairs; front covered with silvery down, which appears dark tawny in some aspects, and adorned with thick tufts of golden hairs: eyes bronze; fore part flat, not very distinct from the other part, but with larger facets: feelers black; first and second joints clothed with long black hairs; first joint linear; second joint club-shaped, shorter than the first; third joint long, nearly linear, but conical at the base, and slightly compressed before one-third of its length, longer than the first and the second joints; fourth, fifth, and sixth joints very short, like a spine at the tip of the third: chest black, shining, clothed with long black hairs, and adorned with dark tawny down; this down is mostly disposed in five stripes, which proceed from the fore border to the disk, the outer pair are oblique, the inner pair are at first straight, then form a right

angle, and proceed in a course parallel to the side of the chest; middle stripe slender and linear: breast covered with a hoary bloom, and clothed with long white hairs: abdomen convex, shining, decreasing in breadth from the base to the tip, narrower than the chest and about twice its length, clothed on each side of the tip with black hairs, and with longer white hairs towards the base; hind border of every segment adorned on each side with a large patch of hoary down; first segment very short; second segment broad, short, more convex than the rest; third segment long, crossed by a furrow near its fore border; the following segments successively decreasing in length: legs black, shining; hips and thighs clothed with long white hairs, and the latter having shorter black hairs towards their tips; shanks and feet clothed with shorter black hairs and with black bristles: shanks for more than one-third of their length from the base, and each foot-joint at its base bright tawny; claws tawny, black towards the tips; foot-cushions tawny; fore legs unarmed; hind shanks slightly club-shaped; hind feet rather broad: wings colourless, slightly gray towards the tips; wing-ribs piceous; veins black, piceous towards the base, where they are bright tawny; poisers tawny, with yellow knobs. *Female.*—Like the male, but larger: sixth joint of the feelers more slender and like a short bristle: tip of the abdomen armed with short black spines: the tawny colour does not extend beyond the base of the shanks, and the foot-joints are nearly all black. Length of the body 5—6 lines; of the wings 9—10 lines.

a. Nova Scotia. From Lieut. Redman's collection.

Dasypogon Macerinus, n. s. *Niger, lateribus abdominis apice ventreque ferrugineis, thorace cano trivittato, antennis ferrugineis apice nigris, pedibus nigris, tarsorum articulis basi tibiisque ferrugineis, alis limpidis, basi costa venarumque marginibus apice fuscis.*

Body black, dull: head full as broad as the chest, clothed with long white hairs: tubercle of the eyelets beset with some black bristles: front dark red, covered with hoary down: eyes cupreous; front part flat, composed of very large facets, and quite distinct from the convex part of the little facets: lip black, short, ferruginous, and clothed with short black hairs at the tip: first and second joints of the feelers ferruginous, beset with black bristles; first joint linear; second joint club-shaped, a little shorter than the first; third joint black, slightly tapering from the base to the tip, as long as the first and the second, but much more slender: chest black, very dark ferruginous on each side, thinly clothed with hoary hairs, adorned with three slender indistinct hoary stripes, beset on each side with black

bristles: breast covered with hoary bloom, and clothed with long white hairs: abdomen slightly shining, clothed with short tawny hairs, less than twice the length of the chest, which it nearly equals in breadth at the base, but it diminishes thence to the tip; sides ferruginous; segments from the third to the last successively decreasing in length; sides of the segments, from the first to the fifth, clothed with long white hairs, and each of them adorned with a patch of hoary down on the hind border; sixth, seventh, and eighth segments shining, thickly crossed with little furrows; under-side and lip ferruginous, the latter armed with short black spines: legs black, clothed with short white hairs; hips clothed with long white hairs; shanks ferruginous, armed with black and pale yellow spines; feet more thickly beset with black bristles and with black hairs; fore joints ferruginous at the base; claws black; foot-cushions tawny: wings colourless, brown at the base, on the fore borders, and along the sides of the veins towards the tips; wing-ribs and veins black; poisers piceous, tips of the stalks and of the knobs tawny. Length of the body 5 lines; of the wings 9 lines.

a. Trenton Falls. Presented by E. Doubleday, Esq.

Dasypogon Lutatius, n. s. *Niger, capite pectoreque canis, thorace fusco lateribus argenteis, abdominis fasciis interruptis canis, antennis pedibusque nigris, alis subcinereis.*

Body black, slightly shining: head covered with hoary bloom, clothed with long white hairs, and beset with a few black hairs on the tubercle of the eyelets, and behind the rims of the eyes; some little furrows along the crown; clypeus beset with black bristles: eyes bronze, like those of *D. Macerinus:* lip black, clothed at the tip with tawny hairs: feelers black; first and second joints clothed with a few long black hairs; first joint linear; second joint club-shaped, shorter than the first; third joint irregularly spindle-shaped, longer than the first and the second; fourth and fifth joints like a spine, which is not near half the length of the third; sixth joint like a short bristle: chest covered with a deep brown bloom, and adorned with silvery down on each side, which is beset with a few black bristles: breast covered with silvery down: abdomen a little narrower than the chest and less than twice its length, almost linear till near the tip, which is conical; hind border of each segment adorned with a hoary band, which is interrupted in the middle; segments clothed on each side towards the base with white hairs, decreasing in length from the third to the last, thickly crossed with little furrows; tip armed with short black spines: legs black; hips hoary, and clothed with long white hairs; thighs and shanks clothed with tawny hairs, and the latter with black bristles; feet beset with black

hairs and bristles; claws black; foot-cushions tawny: wings slightly tinged with gray; wing-ribs and veins piceous, the latter black towards the tips; poisers pale tawny. Length of the body 3½—4 lines; of the wings 5—6 lines.

a. Nova Scotia. From Lieut. Redman's collection.

Group XVIII.

Dasypogon Lævinus, n. s., mas. *Cinereus, abdominis apice rufo, antennis nigris, pedibus rufis, genubus tarsisque apice piceis, alis fulvis.*

Head gray, a little narrower than the chest, clothed thinly above and thickly behind and beneath with yellowish white hairs; clypeus beset with yellowish white bristles: eyes black; fore part slightly convex, its facets very little larger than those of the other part: lip black, shining, clothed at the tip with short tawny hairs: feelers black; second joint much shorter than the first: chest gray, covered with yellow down, and clothed with pale tawny hairs: abdomen gray, linear, red at the tip, clothed with pale tawny hairs, narrower and longer than the chest, but much less than twice its length; first and second segments very short; third and following segments long, but successively decreasing in length to the tip: legs red, clothed with pale yellow hairs; hips gray; knees and tips of feet piceous; claws black; foot-cushions dull tawny; wing-ribs and veins ferruginous, the latter piceous towards the tips; poisers yellow. Length of the body 4 lines; of the wings 7 lines.

a. South Africa.

Dasypogon Discus, *White, Zool. Voy. Erebus and Terror.* Fem.—*Niger, fulvo pubescens, abdomine rufo disco nigro, antennis tarsisque nigris, pedibus rufis, alis limpidis, apice cinereis.*

Body black: head covered with tawny down, a little narrower than the chest, covered on each side of the crown with a few black hairs, beset behind the eyes with a row of black bristles, clothed beneath with long pale yellow hairs; front and clypeus adorned with bright pale golden down; clypeus armed with ten long white bristles: eyes black; fore part nearly flat, distinguished also from the other part by the larger size of its facets: lip black, clothed at the tip with short tawny hairs; palpi and hypostoma black, clothed with long pale yellow hairs: feelers black; first and second joints clothed with black hairs; second joint slightly club-shaped, beset with one or two black bristles, a little shorter than the first; third joint linear, longer than the first and the second; fourth joint very

short; fifth joint obsolete: chest covered with tawny down, which forms two stripes in the middle, thinly clothed with short black hairs, and beset on each side with some black bristles: breast covered with pale tawny down, having a hoary tinge: abdomen above black, and thinly clothed with very short pale tawny hairs, red at the tip and along the sides, tawny and shining beneath, almost linear, nearly as broad as the chest and more than twice its length; first and second segments short; third segment long, with a cross row of punctures along the furrow near its base; the following segments successively decreasing in length: legs red, almost hairless, beset with black spines, which are much more numerous on the feet than on the shanks or on the thighs; thighs paler at the base; feet black, red at the base; claws black; foot-cushions pale brown; a black stripe on each fore thigh; tips of fore shanks armed with a black curved tooth, corresponding with some black tubercles at the base of the fore feet: wings colourless, gray at the tips; wing-ribs ferruginous; veins piceous, black towards the tips; poisers large, yellow. Length of the body 6 lines; of the wings 11 lines.

a. New Zealand. From Mr. Earl's collection.

Group XIX.

Dasypogon Venno, n. s. *Niger, thorace rufo nigro univittato et bimaculato, abdomine purpureo, antennis pedibusque nigris, alis nigris apice limpidis.*

Body black: head a little broader than the chest, with a stripe of white down on each side of the front between the feelers and the clypeus; the latter is armed with six long black bristles: lip black, short: eyes bronze-black, flat in the front, where the facets are larger and distinct from those of the convex part: feelers black, a little longer than the head: first and second joints beset with black hairs; second joint a little shorter than the first; third joint slightly club-shaped, very much longer than the first and the second, but not twice their length: chest and breast bright red; a black stripe on the back, and a black spot at the base of each wing; a space about the hips is also black: abdomen purple, shining, linear for a short space from its base, elliptical thence to the tip, fringed with white hairs on each side, a little narrower than the chest and twice its length, hoary on each side at the base: legs black, slender, clothed with black hairs and bristles; claws black; foot-cushions piceous: wings black for two-thirds of the length from the base, colourless thence to the tips; wing-ribs and veins black; poisers

piceous, their knobs pale tawny and very large. Length of the body $2\frac{1}{2}$ lines; of the wings 7 lines.

a. Van Dieman's Land. Presented by the Rev. T. Ewing.

Group XX.

DASYPOGON Aphidnus, n. s., mas. *Fulvus, capite albo, pectore et metathorace cinereis, abdomine ferrugineo basi cinereo, antennis pedibusque fulvis, alis limpidis.*

Body tawny: head as broad as the chest, covered with whitish down, clothed thinly above and thickly beneath with pale yellow hairs, beset with yellow bristles along the upper hind borders of the eyes; clypeus armed with a tuft of pale yellow bristles: eyes black; fore part nearly flat, with facets very little larger than those elsewhere on the eye: lip and palpi black, the latter clothed with tawny hairs: first and second joints of the feelers tawny, clothed with tawny hairs; second joint cup-shaped, shorter than the first: chest and breast very thinly clothed with short yellow hairs; scutcheon and hind chest gray: abdomen ferruginous, slightly tapering from the base to the tip, much longer than the chest, and almost equal to it in breadth at the base, clothed with yellow hairs, which are most thick on each side towards the base and at the tip; first and second segments gray, short; third and following segments longer, but successively darker along the fore borders, decreasing in length to the seventh, which is very short, its appendages are large, and piceous at the tip: legs tawny, clothed with white hairs, and beset with some short white bristles; hips gray; feet piceous, tawny beneath; claws black; foot-cushions whitish: wings colourless; fourth areolet on the hind border from the base of the wing very open; wing-ribs ferruginous; veins black, ferruginous at the base; poisers pale yellow. Length of the body 3 lines; of the wings 5 lines.

a. ——— ?

Group XXI.

DASYPOGON Luscinius, n. s., fem. *Niger, brevis, latus, abdomine rufo basi nigro, antennis pedibusque nigris, tibiis et tarsis posticis genubusque ferrugineis, alis limpidis.*

Body black, short, broad, thick: head narrower than the chest, clothed above, behind, and more thickly beneath, with white hairs; clypeus thickly beset with white bristles: eyes dark red; fore part flat, almost black, quite distinct from the other part and composed

of much larger facets: lip black, ferruginous at the tip: feelers black: chest and breast thinly clothed with white hairs: abdomen red, obconical, as broad as the chest and a little longer, black at the base and on the sutures of the segments, thinly clothed with white hairs on each side; segments from the first to the sixth successively increasing in length; seventh and following segments shorter: legs black, clothed with white hairs; shanks beset with short white spines; knees, hind shanks and hind feet ferruginous; claws black; foot-cushions pale tawny: wings colourless; rudiments of a vein near the base of the fork which divides the submarginal areolets; the next areolet beneath closed before the border of the wing; the two following areolets only half divided from each other, the tip of the vein being wanting; the succeeding areolet closed by a cross-vein near the hind border; wing-ribs piceous; veins black, piceous at the base; poisers yellow. Length of the body 3 lines; of the wings 5 lines.

a. South Africa. Presented by Dr. A. Smith.

Group XXII.

DASYPOGON Agalla, n. s. *Fuscus, capite lato, thoracis lateribus fulvis, pectore cano, abdomine plano subtus pallido, antennis nigris, pedibus piceis, alis fusco-cinereis.*

Body deep rich brown: head much broader than the chest, covered with hoary down, and clothed behind and beneath with white hairs; clypeus beset with tawny bristles: eyes cupreous: fore part very slightly convex, composed of very large facets, which are quite distinct from the small facets, especially on the lower part of the front: lip black, short, tawny at the base and clothed with tawny hairs; palpi black, their tips beset with dark tawny bristles: feelers black, as long as the head; first and second joints very short, beset with a few black hairs; third joint spindle-shaped, much more than twice the length of the first and the second joints; fourth joint small, not one-fourth of the length of the third; fifth joint very small: sides and hind border of the chest and of the scutcheon tawny: breast hoary, shining: abdomen flat, nearly linear, much narrower than the chest, and rather more than twice its length; under-side pale, shining: legs piceous, clothed with tawny hairs; hips hoary; feet dark piceous, beset with black bristles; claws black; foot-cushions tawny; hind shanks club-shaped; hind feet broad at the base: wings brownish gray, especially at the base and along the fore borders; wing-ribs and veins piceous; poisers tawny, with a broad piceous band at the base of the knob. Length of the body 4 lines; of the wings 8 lines.

a. Venezuela. From Mr. Dyson's collection.

DASYPOGON Æta, n. s. *Fulvus, capite subtus pectoreque canis pilisque albis vestitis, vertice thoracisque vittis tribus fuscis, abdominis disco fusco, antennis nigris, pedibus fulvis, tibiis tarsisque apice nigris, alis fuscis.*

Head dark brown on the crown, hoary and clothed with white hairs behind, tawny and having a few tawny hairs on the front, very short, much broader than the chest; its fore part chiefly occupied by the eyes, which are large, prominent, and dark red with a bronze tinge; they may be divided into two regions; in the first or inner part the facets decrease regularly in size from the border of the crown outwards; in the second, or outer part, they are all extremely small, and of equal size: lip black, covered at the tip with short tawny hairs; palpi piceous, beset with long yellow hairs: feelers black; second joint much shorter than the first; third joint slightly club-shaped, longer than the first and the second; fourth joint conical, short; fifth joint like a bristle, much shorter than the fourth: chest tawny, downy, having very few hairs, adorned with three very broad rich brown stripes which unite and occupy the whole breadth of the chest in front, but decrease towards the hind border, which they do not reach: breast hoary, thinly covered with white hairs: abdomen rich brown, slightly covered with short hairs, tawny on the sides and on the hind borders of the segments, and on the whole of the under-side, narrower than the chest, and about twice its length: legs tawny; hips hoary; thighs clothed with hairs of various length, and having a piceous tinge towards the tips; knees and tips of the trochanters black; shanks more thickly clothed with hairs and bristles, black towards the tips; feet clothed with thick down, and having a few long black hairs on the upper-side, tip of each joint black; fore feet nearly all black; hind shanks club-shaped; hind feet wide, especially the first joint, which is as long as the three following joints, and much broader: wings deep rich brown, somewhat paler towards the tips, convex on the fore borders; wing-ribs and veins black; poisers yellow, each with a large piceous spot on the outer-side of its club. Length of the body $2\frac{1}{2}$ lines; of the wings 5 lines.

a. St. John's Bluff, Florida. Presented by E. Doubleday, Esq.
b. Massachusetts: From Prof. Sheppard's collection.

DASYPOGON Amastris, n. s. *Niger, nitens, pilis albis hirtus, abdomine fulvo-piloso apice obscuro rufo, antennis nigris, pedibus rufis, tarsis piceis, tibiis posticis subarcuatis, tarsis posticis latis, alis subcinereis fuscoque subbifasciatis.*

Body black, shining: head a little broader than the chest, dull and punctured above, with a row of tawny bristles on the clypeus, clothed behind and beneath with white hairs, a little broader than the chest: there are a few long tawny hairs on the tubercle of the

eyelets: lip black; its tip clothed with short tawny hairs: feelers black, not longer than the head; first and second joints short, of equal length, clothed with short tawny hairs; third joint red, linear, piceous at the tip, full twice the length of the first and of the second; fourth joint spine-shaped, dark red, slender, black at the tip, about one-third of the length of the third: eyes red, divided into two regions; the inner part small, flat, composed of rather large facets, which however successively decrease in size as they diverge to the outer part which is convex, composed of small facets, and much larger than the inner part, which it half encircles: chest and breast finely punctured, thinly covered with short white hairs; the former having also a few long tawny hairs on its hinder part: abdomen thin, increasing in breadth from the base to the tip, full twice the length of the chest; segments from the first to the sixth very slightly convex, smooth, shining, clothed with very short tawny hairs; first and second segments very short; third and following segments to the sixth long; seventh and eighth dull, flat, large, very finely punctured, with no hairs; seventh slightly red along the hind border and on the side borders, having on each side five large punctures disposed by twos and threes in two oblique rows; in the eighth segment the red overspreads more of the surface, and it has on each side three more indistinct punctures which are arranged in a more oblique row; underside of abdomen dull, punctured; segments with a rim on each side: the last segment red on the hind border, and more slightly so on each side border: legs red, clothed with short tawny hairs; hips black; shanks beset with some longer tawny hairs; feet piceous, and armed with bristles; hind shanks slightly curved and club-shaped; hind feet rather broad: wings narrow, slightly gray; each with two large brown spots, one is on the middle of the fore border, the other at the tip of the wing, and they descend into the disk along the borders of the cross-veins; the hind border about the tip is brownish gray, with a colourless streak on each areolet; wing-ribs and veins black; poisers tawny. Length of the body 4½ lines; of the wings 9 lines.

a. Georgia. From Mr. Abbot's collection.

Dasypogon Prytanis, n. s. *Canus, thorace vittis tribus fuscis, antennis nigris, pedibus fulvis, femoribus basi, tibiis apice tarsisque nigris, femoribus posticis crassis dentibusque armatis, tibiis posticis subarcuatis, alis albis.*

Body stout: head hoary, with short hoary hairs on the crown, and having a few tawny bristles in front, rather thickly clothed beneath with white hairs, very short, much broader than the chest;

its fore part chiefly occupied by the eyes, which are large and prominent; in their inner region the facets decrease regularly in size from the border of the crown outwards, but the facets of the outer part are all extremely small, and of equal size: feelers and mouth black: chest, breast, and abdomen hoary, thinly clothed with white hairs: chest with three brown stripes; middle stripe broad, linear, extending from near the fore border to a little beyond the middle of the length; side stripes but little more than half the length of the middle stripe, being shortened in front where their borders are straight, but their hind borders are convex; scutcheon prominent: abdomen narrower than the chest, and less than twice its length: legs stout, tawny, clothed with black hairs and bristles; hips hoary; thighs towards the base, knees, feet, and tips of the shanks black; hind thighs thick, each armed beneath with nine black spines; hind shanks slightly curved; hind feet not wide: wings white; wing ribs and veins pale yellow, the latter tawny towards the tips of the fore borders; poisers tawny. Length of the body $4\frac{1}{2}$ lines; of the wings 8 lines.

a. North Bengal. From Miss Campbell's collection.

Group XXIII.

Dasypogon transiens, n. s. *Niger, pilis nigris vestitus, thorace vittis tribus cinereis, abdomine pilis ferrugineis vestito, antennis pedibusque nigris, alis fuscis.*

Resembles a *Laphria;* and some of the species of *Dasypogon*, *Laphria* and *Asilus* form parallel series, like those of *Empis* and *Rhamphomyia.* Body black, thickly clothed with black hairs: head a little narrower than the chest: tubercle of the eyelets beset with a tuft of black bristles; front covered with silky brown down; clypeus thickly armed with long black bristles: eyes black; fore part flat, composed of large facets, its border quite distinct and not blending with the facets of the other part: lip short, stout, deep black, its tip clothed with short tawny hairs: feelers black; first and second joints beset with black hairs and bristles; second joint a little longer than the first; third joint nearly linear or slightly tapering from the middle to each end, clothed above with short black hairs, more than twice the length of the first and of the second joints: chest with three indistinct very dark gray stripes; middle stripe long and linear; side stripes short and oblique: abdomen nearly linear, convex, thickly clothed with ferruginous hairs, armed at the tip with short black spines, a little narrower than the chest and nearly twice its length: legs stout, black, thickly clothed with

black hairs; shanks and feet also beset with black spines; claws black; foot-cushions pale tawny; fore shanks armed at the tip beneath with a curved black tooth, corresponding to some little tubercles beneath the base of the feet: wings dark brown; wing-ribs and veins black; poisers piceous. Length of the body 10½ lines; of the wings 18 lines.

a. Venezuela. From Mr. Dyson's collection.

Note.—The four following species belong to the earlier sections of the genus, but were accidentally omitted.

Dasypogon Spectrum, var.? *Wied. Auss. Zweif.* i. 368, 2. (See page 304, Group I.)

a. China. Presented by J. Reeves, Esq.
b. China. Presented by G. T. Lay, Esq.
c. China. Presented by the Entomological Club.
d. China. Erom Mr. Birch's collection.

Dasypogon Scython, n. s., fem. *Fuscus, capite flavo-vittato, abdomine rufo vittis nigris, pedibus rufis, alis ferrugineis.* (See page 304, Group I.)

Head much narrower than the chest, covered with white down, clothed behind and beneath with yellow hairs, beset behind the eyes with black and tawny bristles; crown reddish brown, furnished on each side with some whitish hairs and tawny bristles, adorned with four pale yellow stripes; front and clypeus covered with whitish silky down; front ridged across; clypeus armed with ferruginous bristles and with some pale yellow hairs: eyes dark bronze; fore part flat, black, its facets very much larger than those of the other part: lip black and clothed with short tawny hairs at the tip; palpi black, beset with long pale yellow hairs: first joint of the feelers black: chest brown, rather paler on the sides, thinly clothed with very short tawny hairs, beset on each side and behind with black bristles: breast brown, covered with pale yellow down: abdomen bright red, flat, tapering from the base to the tip, thinly clothed with very short tawny hairs, adorned on each side at the base with a tuft of longer tawny hairs, a little narrower than the chest and rather more than twice its length; first and second segments black, very short; third and following segments long, successively decreasing in length, black along their hind borders; sixth and following segments shining; tip armed with a circlet of short black spines: legs red, clothed with tawny hairs, armed with black spines; hips brown; fore hips thickly clothed with long tawny

hairs; claws black; foot-cushions tawny: wings ferruginous; wing-ribs piceous; veins ferruginous; poisers tawny. Length of the body 15 lines; of the wings 27 lines.

a. Sandwich Isles. Presented by Captain Beechey.

DASYPOGON melanogaster, *Wied. Dipt. Exot.* i. 215, 2. *Auss. Zweif.* i. 368, 3. (See page 304, Group I.)

a. Brazil. From Mr. Mornay's collection.

DASYPOGON Fossius, n. s., mas. et fem. *Flavus, thorace nigro trivittato, lateribus pectoreque fulvis, abdomine ferrugineo, antennis pedibusque fulvis, alis limpidis apicibus marginibusque posticis cinereis.* (See page 322, Group VII.)

Head yellow, as broad as the chest, piceous about the eyelets, beset behind with black bristles, clothed beneath with pale yellow hairs; front and clypeus covered with golden down, the latter armed with long white bristles: eyes bronze; fore part flat and composed of rather large facets: lip black, clothed at the tip with short tawny hairs; palpi pale ferruginous, beset with ferruginous hairs: feelers tawny; second joint very slightly clavate, full as long as the first; third joint nearly spindle-shaped, longer than the first and the second joints: chest yellow, adorned with three broad black stripes, beset on each side and behind with a few black bristles; breast and sides of the chest tawny: abdomen of the male ferruginous, narrower than the chest and nearly thrice its length, slightly tapering from the base to one-third of its length, nearly spindle-shaped from thence to the tip, which is shining, and clothed with tawny hairs; first segment extremely short; second segment short, convex; third and following segments long, but successively decreasing in length: abdomen of the female nearly linear for two-thirds of its length, slightly tapering from thence to the tip, which is armed with a circlet of short ferruginous spines: legs tawny, thinly clothed with very short black hairs, beset with a few black bristles; feet black towards the tips; claws black; foot-cushions pale tawny; tip of each fore shank armed with a long black curved tooth, which corresponds with some black tubercles at the base of each fore foot: wings colourless, gray at the tips and along the hind borders; wing-ribs ferruginous; veins black; poisers tawny. Length of the body 9—10 lines; of the wings 16—18 lines.

a. ———? From Mr. Children's collection.

CERATURGUS, *Wiedemann.*

CERATURGUS fasciatus, n. s., mas. *Niger, flavo varius, abdominis segmentis flavo vittatis, antennis nigris, pedibus fulvis, femoribus nigris, alis flavo-fuscis.*

Body black, linear: head as broad as the chest, clothed with shining yellow down along the hind rims of the eyes; tubercle of the eyelets beset with some tawny hairs; front and sides of the crown covered with ferruginous down; clypeus clothed with long red and brown hairs: eyes brassy red; fore part flat, composed of larger facets, and distinct from the other part: lip short, black, shining, its tip ferruginous and clothed with very short yellow hairs: feelers black, more than twice the length of the head; first and second joints thinly clothed with yellow hairs; second joint a little shorter than the first; third joint linear, much longer than the first and the second joints; fourth joint short, oblique at the tip; fifth joint linear, thickly clothed with black down, a little longer and broader than the fourth: chest and breast slightly covered with pale yellow down, which is more thick on some parts, and forms two spots on the disk, a band along the hind border of the scutcheon, and some stripes on each side: abdomen linear, convex, thinly clothed with short yellow hairs, rather narrower than the chest and less than twice its length; each segment with a broad band of yellow down on its hind border; first segment very short; second segment short; third segment long; the following segments successively decreasing in length; a tuft of long yellow hairs on each side of the tip: legs tawny, clothed with very short yellow hairs; hips and thighs black, tips of the latter ferruginous; shanks and feet beset with a few yellow spines; claws black, tawny at the base; foot-cushions yellow; hind thighs slender; hind shanks straight: wings yellowish brown for two-thirds of the length, tawny from thence to the tips and along the hind borders; wing-ribs ferruginous; veins piceous, ferruginous at the base, black at the tips; poisers tawny. Length of the body 7 lines; of the wings 13 lines.

a. New York. Presented by the Entomological Club.

CERATURGUS (?) Andocides, n. s., mas. *Niger, pilis flavis vestitus, humeris rufis, antennis nigris, pedibus rufis, femoribus nigris, alis fuscis basi pallidioribus.*

Body black, stout, dull: head hardly as broad as the chest, clothed with long pale yellow hairs, which are most thick beneath; tubercle of the eyelets beset with four tawny bristles; front clothed with long shining pale yellow hairs, as is also the clypeus, where

the hairs are still longer and more numerous: eyes dark red; fore part flat, composed of much larger facets, and distinct from the other part: lip black, shining, its tip clothed with short tawny hairs: feelers black, full twice the length of the head; first and second joints linear and of equal length; first joint clothed with yellow hairs; second joint beset with a few short yellow bristles; third joint linear, covered with a brown bloom, very slightly compressed; fourth joint short, slightly club-shaped, about one-eighth of the length of the third; fifth joint club-shaped, much broader and longer than the fourth: neck with a cross ridge: chest and breast, especially the latter, clothed with pale yellow hairs; shoulders dark red: abdomen nearly spindle-shaped, slightly convex, much narrower than the chest and less than twice its length, thinly clothed with very short yellow hairs; first segment very short; second segment short; third segment long; the following segments successively decreasing in length; under-side clothed with longer pale yellow hairs: legs red, shining, clothed with short tawny hairs; hips, trochanters and thighs black, clothed with long pale yellow hairs, as are also the fore feet and fore shanks, especially the latter, whose hairs are very long and thick; feet beset with yellow bristles; claws black, pale red at the base; foot-cushions yellow: wings dark brown, paler towards the base; wing-ribs and veins piceous; poisers pale ferruginous. Length of the body 8 lines; of the wings 14 lines.

a. ——— ?

Laphria, *Fabricius.*

European Species.

Div. I., *Loew.* *First submarginal areolet divided by a cross-vein.*

Laphria maroccana, *Fabr. Syst. Antl.* 158, 7. *Latr. Gen. Crust.* iv. 299. *Wied. Zool. Mag.* i. 2, 38. *Meig. Dipt.* ii. 290, 5. *Macq. Hist. Nat. Dipt.* i. 282, 7, *pl.* 7, *f.* 3. *Loew, Linn. Ent.* ii. 540, 1. Asilus maroccanus, *Fabr. Ent. Syst.* iv. 378, 10. Asilus &c., *Geoff. Ins.* ii. 467, 2.

a. ——— ? Presented by the Entomological Club.
b. Albania. Presented by W. W. Saunders, Esq.
c. Albania. Presented by E. Doubleday, Esq.
d. Albania. From Mr. Walker's collection.
e. France.

One specimen has a double cross-vein on the submarginal areolet of the left wing.

Div. II., *Loew. First submarginal areolet not divided; first hind border areolet open.*

LAPHRIA aurea, *Meig. Dipt.* ii. 295, 15. *Macq. Hist. Nat. Dipt.* i. 281, 2. *Loew, Linn. Ent.* ii. 541, 2.
a. ——— ?

LAPHRIA gibbosa, *Fabr. Syst. Antl.* 156, 1. *Latr. Gen. Crust.* iv. 299. *Cons. Gén.* 443. *Fall. Dipt. Suec. Asil.* 4, 1. *Wied. Zool. Mag.* i. 2, 27. *Meig. Dipt.* ii. 287, 1. *Macq. Dipt. Nord. Asil.* 37, 1. *Hist. Nat. Dipt.* i. 280, 1. *Zeller, Isis,* 1840, 73, 1. *Zett. Ins. Lapp.* 504, 1. *Dipt. Scand.* i. 160, 1. *Loew, Linn. Ent.* ii. 543, 4. Asilus gibbosus, *Linn. Faun. Suec.* 1907. *Gmel. Ed. Syst. Nat.* v. 2896, 6. *Fabr. Sp. Ins.* ii. 461, 7. *Ent. Syst.* iv. 378, 8. *Schæff. Icon. t.* 8, *f.* 11. *Schrank. Faun. Boic.* iii. 2443. Asilus bombylius, *Deg. Ins.* vi. 96, 1, *t.* 13, *f.* 6.
a ——— ? Presented by the Entomological Club.
b. ——— ?

LAPHRIA ephippium, *Fabr. Syst. Antl.* 157, 3. *Latr. Gen. Crust.* iv. 299. *Fall. Dipt. Suec. Asil.* 4, 3. *Meig. Dipt.* ii. 289, 3. *Macq. Dipt. Nord. Asil.* 39, 3. *Hist. Nat. Dipt.* i. 281, 4. *Zeller, Isis,* 1840, 74, 3. *Zett. Dipt. Scand.* i. 161, 3. *Loew, Linn. Ent.* ii. 544, 5. Asilus ephippium, *Fabr. Sp. Ins.* ii. 461, 6. *Ent. Syst.* iv. 377, 7. *Gmel. Ed. Syst. Nat.* v. 2896, 19. Asilus dorsalis, *Deg. Ins.* vi. 96, 2, *t.* 13, *f.* 9.
a. France.
b. ——— ?
c. Martigny, Switzerland. From Mr. Walker's collection.

LAPHRIA flava, *Fabr. Syst. Antl.* 156, 2. *Latr. Gen. Crust.* iv. 299, *Panz. Faun. Germ.* xxxix. 23, 24. *Fall. Dipt. Suec. Asil.* 4, 2. *Meig. Dipt.* ii. 288, 2. *Macq. Dipt. Nord. Asil.* 38, 2. *Hist. Nat. Dipt.* i. 281, 3. *Zeller, Isis,* 1840, 74, 2. *Zett. Dipt. Scand.* i. 161, 2. *Loew, Linn. Ent.* ii. 545, 6. Asilus flavus, *Linn. Faun. Suec.* 1911. *Gmel. Ed. Syst. Nat.* v. 2897, 8. *Fabr. Sp. Ins.* ii. 462, 12. *Ent. Syst.* iv. 380, 18. *Deg. Ins.* vi. 96, 3, *t.* 13, *f.* 10. *Schæff. Icon. t.* 51, *f.* 2. *Herbst, Gem. Nat.* viii. 119, *t.* 346, *f.* 3. *Schrank. Faun. Boic.* iii. 2539.
a. ——— ?
b. Switzerland. Presented by Dr. Dowler.
c. Grisons, Switzerland. From Mr. Walker's collection.

LAPHRIA ignea, *Meig. Dipt.* ii. 294. *Macq. Hist. Nat. Dipt.* i. 282, 6. *Zeller, Isis*, 1840, 76, 7. *Zett. Dipt. Scand.* i. 162, 5. *Loew, Linn. Ent.* ii. 547, 7. L. gilva, *Meig. Klass.* i. 261, 4. *Fall. Dipt. Suec. Asil.* 5, 4, var. β.
a. Sweden.

LAPHRIA gilva, *Fabr. Syst. Antl.* 159, 15. *Latr. Gen. Crust.* iv. 299. *Panz. Faun. Germ.* cvii. 18. *Fall. Dipt. Suec. Asil.* 5, 4. *Meig. Dipt.* ii. 294, 12. *Macq. Dipt. Nord.* 40, 6. *Hist. Nat. Dipt.* i. 281, 5. *Zeller, Isis*, 1840, 75, 6. *Zett. Ins. Lap.* 506, 2. *Dipt. Scand.* i. 162, 4. *Dahlb. Scand. Ins.* 308, 207. *Loew, Linn. Ent.* ii. 548, 8. Asilus gilvus, *Linn. Faun. Suec.* 1912. *Gmel. Ed. Syst. Nat.* v. 2897, 9. *Fabr. Sp. Ins.* ii. 462, 22. *Ent. Syst.* iv. 381, 22. *Herbst, Gem. Nat.* viii. 119, *pl.* 346, *f.* 4. *Schæff. Icon. pl.* 78, *f.* 6. *Schrank. Faun. Boic.* iii. 2544. Asilus rufus, *Deg. Ins.* vi. 97, 4, *pl.* 13, *f.* 15.
a. France.

LAPHRIA marginata, *Fabr. Syst. Antl.* 160, 17. *Meig. Dipt.* ii. 291, 7. *Macq. Dipt. Nord. Asil.* 33, 4. *Hist. Nat. Dipt.* i. 283, 11. *Zeller, Isis*, 1840, 75, 5. *Zett. Dipt. Scand.* i. 163, 6. *Loew, Linn. Ent.* ii. 556, 12. Asilus marginatus, *Linn. Syst. Nat.* xii. 1008, 10. *Faun. Suec.* 1913. *Gmel. Ed. Syst. Nat.* v. 2898, 10. *Fabr. Sp. Ins.* ii. 463, 16. *Ent. Syst.* iv. 381, 25. *Deg. Ins.* vi. 97, 5, *t.* 14, *f.* 1. *Schrank. Faun. Boic.* iii. 2545. *Fall. Dipt. Suec. Asil.* 5, 5. Laphria nigra, *Meig. Dipt.* ii. 293, 11. *Germ. Faun.* ii. 24. L. fulgida? *Meig. Dipt.* ii. 298, 20.
a. England.
b. France.

LAPHRIA auribarbis, *Meig. Dipt.* ii. 292, 8. *Macq. Hist. Nat. Dipt.* i. 283, 12. *Loew, Linn. Ent.* ii. 558, 13. L. cincta, *Zeller, Isis*, 1840, 74, 4.
a. ——— ?

Div. III., *Loew. First hind border areolet closed.*

LAPHRIA atra, *Fabr. Syst. Antl.* 159, 13. *Latr. Gen. Crust.* iv. 299. *Meig. Klass. Zweif.* i. 265, *a. Dipt.* ii. 302, 28. *Macq. Dipt. Nord.* 41, 8. *Hist. Nat. Dipt.* i. 285, 23. *Zeller, Isis*, 1840, 76, 8. *Zett. Dipt. Scand.* i. 164, 9. *Loew, Linn. Ent.* ii. 564, 17. Asilus ater, *Linn. Faun. Suec.* 1910. *Gmel. Ed. Syst. Nat.* v. 2897, 7. *Fabr. Sp. Ins.* ii. 462, 10. *Ent. Syst.*

iv. 379, 15. *Schrank. Ins. Austr.* 993. Laphria violacea, *Meig. Klass. Zweif.* i. 262, 5.
a. Switzerland. Presented by Dr. Dowler.
b. ——— ?

Exotic Species.

Group I.

Laphria labiata, *Fabr. Syst. Antl.* 160, 20. *Wied. Dipt. Exot.* i. 232, 1. *Auss. Zweif.* i. 499, 1. Dasypogon rufimanus, *Perty, Del. Anim. Art.* 181, *pl.* 36, *f.* 6. Megapoda cyanea, *Macq. Hist. Nat. Dipt.* i. 288, 1. M. labiata, *Macq. Dipt. Exot.* i. 2, 59, *pl.* 5, *f.* 3.
a. Brazil.
b. Brazil. From Mr. Walker's collection.

Group II.

Laphria Shalumus, n. s., mas. *Ferruginea, capite pectoreque piceis, thoracis vittis tribus nigris, abdominis fasciis nigris lateribusque piceis, antennis nigris apice ferrugineis, pedibus ferrugineis, femoribus nigro vittatis, alis fulvis.*

Head piceous, narrower than the chest, covered above with golden down, beset behind the eyes with black and tawny bristles, thickly clothed beneath with pale yellow hairs; crown beset on each side with black hairs; clypeus armed with a few long black hairs and with eight very long black bristles: eyes bronze; fore part flat, distinguished also from the convex part by its much larger facets: lip and tongue black, clothed with ferruginous down; hypostoma piceous; first and second joints of the feelers black, clothed with long black hairs; second joint slightly club-shaped, ferruginous at the tip, a little shorter than the first; third joint spindle-shaped, ferruginous, longer than the first and second joints, armed at the tip with a very short spine — the rudiment of the fourth joint: neck adorned with a ruff of ferruginous hairs, and on each side with a thick tuft of pale shining golden hairs: chest ferruginous, clothed with very short black hairs, beset on each side and behind with long black bristles, adorned with three black stripes; middle stripe decreasing in breadth along its whole length from the front, whence to the middle it is slightly inlaid with a slender ferruginous stripe; side stripes short and interrupted by two oblique bands: breast piceous, ferruginous beneath the base of the wings: abdomen

ferruginous, long spindle-shaped, as broad as the chest and full twice its length, piceous on the sides and black on the borders of each segment, thinly clothed with short tawny hairs, and adorned on each side with thick clusters of long tawny hairs; under-side black; first and second segments short; third and following segments long, but successively decreasing in length: legs ferruginous, clothed with short black hairs, and armed with black spines; a black stripe on each thigh; claws black, ferruginous at the base; foot-cushions tawny; middle shanks slightly curved, their tips armed with a very stout tubercle which is provided with two teeth: wings tawny; wing-ribs aud veins ferruginous; poisers tawny. Length of the body 17 lines; of the wings 32 lines.

a. Hong-Kong, China. Presented by J. C. Bowring, Esq.

Group III.

LAPHRIA rufibarbis, *Fabr. Syst. Antl.* 157, 4. *Wied. Dipt. Exot.* i. 233, 2. *Auss. Zweif.* i. 500, 3.

a. ———?

b. Congo.

LAPHRIA Ufens, n. s., mas. *Nigra, pilis fulvis nigrisque vestita, abdomine purpureo, subtus piceo, apice nigro, antennis nigris apice piceis, pedibus fulvis, alis fuscis.*

Head and chest black, slightly shining: head a little narrower than the chest, clothed with bright tawny hairs, which are very thick on the front and on the clypeus; sides of the crown and hind borders of the eyes beset with black bristles; eyes bronze; fore part flat, composed of large facets, clearly distinguishable from the other part: tongue black, longer than the lip, clothed beneath with tawny down: lip black, not much longer than the head, ferruginous at the base, crowned with yellow hairs at the tip: first and second joints of the feelers ferruginous; first joint linear, clothed with ferruginous hairs; second joint clothed with black bristles, not half the length of the first; third joint piceous, spindle-shaped, very much broader than the first and the second joints and nearly twice their length: chest and breast clothed with black hairs: chest with a slight brassy tinge, beset on each side and behind with black bristles: breast slightly covered with dark tawny down: abdomen purple, shining, clothed with very short black hairs and on each side with longer black hairs, slightly convex, piceous beneath, ferruginous at the tip, rather narrower than the chest and not near twice its length; first segment very short; second and third segments of equal length;

fourth and fifth segments a little longer; sixth segment a little shorter; seventh segment still shorter: legs bright tawny, clothed with tawny hairs (which are very long on the thighs and on the shanks of the four front legs), and beset with spines and bristles, nearly all of which are on the feet; hips and trochanters black; claws black, tawny towards the base; foot-cushions yellow: wings dark brown, with a slight purple lustre; disks of the areolets paler; wing-ribs and veins black; poisers piceous. Length of the body 11 lines; of the wings 19 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

Laphria Reinwardtii, *Wied. Auss. Zweif.* i. 503, 7.
a. Java.

Group IV.

Laphria Amandus, n. s. *Nigra, capite pectoreque cinereis, abdomine rufo lateribus nigris, antennis pedibusque nigris, alis limpidis basi costâ venarumque marginibus subfulvis.*

Head gray, a little narrower than the chest, very thickly clothed with long white hairs, and beset behind with a cross row of tawny bristles: some black bristles on the tubercle of the eyelets: eyes bronze-black, flat or very slightly concave in front, where the facets are large, but the division of the eye into two regions is not very distinct: clypeus and front clothed with white down, the former beset with long black bristles: lip black, about twice the length of the head, clothed at the tip with short tawny hairs; tongue thickly beset with black bristles; palpi black, clothed with black hairs and bristles: feelers black; first and second joints clothed with white hairs and black bristles; second joint not half the length of the first, slightly club-shaped; third joint nearly linear, a little longer than the first and the second joints: neck short, with a cross furrow: chest black, adorned with five dark ferruginous stripes, and with two oblique bands on each side between the outer and inner pair of these stripes; outer stripes covered with a shining white bloom; sides and hind part of chest, and scutcheon, beset with black bristles; hind border of the scutcheon dark ferruginous: hind chest and breast hoary, the latter thickly clothed with long white hairs: abdomen dark red, clothed with short black hairs, black along each side, which is clothed with black and white hairs, among which are some dark red bristles with white tips; hind borders of the segments clothed with short tawny hairs; under-side red, shining: legs black, long, clothed with long white hairs; hind thighs and hind

shanks towards the tips, and feet, clothed with black hairs; claws black; foot-cushions dark tawny; hind thighs not thick nor armed with teeth, but slightly curved; shanks, especially the fore pair, slightly curved: wings colourless, slightly tawny at the base and on the fore borders, and along the borders of the veins; tips and hind borders till near the base slightly gray; wing-ribs and poisers piceous; veins black. Length of the body 17 lines; of the wings 30 lines.

a. Brazil.

LAPHRIA Tectamus, n. s., fem. *Nigra, capite pectoreque canis, thoracis vittis quatuor canis, abdomine cyaneo, antennis nigris, pedibus nigro-cyaneis, alis limpidis venis fusco subnebulosis.*

Body black: head a little narrower than the chest, covered with hoary lustre, and thickly clothed with long hoary hairs; two long tawny bristles on the tubercle of the eyelets; clypeus very prominent, armed with long black bristles: eyes bronze-black; a very small part of the front is flat, and has larger facets, but the boundary line between the two parts is tolerably distinct: lip black, rather short, clothed at the base with long white hairs and at the tip with short piceous hairs; tongue piceous, clothed beneath with ferruginous down: feelers black; first joint linear, thickly clothed with hoary hairs; second joint slightly club-shaped, beset with a few black bristles, piceous at the tip, narrower than the first joint and hardly more than half its length; third joint spindle-shaped, rather longer and broader than the first and the second joints: chest covered with hoary down, which has a silvery lustre on four irregular stripes, beset on each side and behind with black hairs and bristles: breast hoary and clothed with hoary hairs: abdomen blue, shining, rather thickly clothed with very short black hairs, narrower than the chest and much less than twice its length; segments from the first to the third hoary above and clothed with long hoary hairs, piceous beneath: legs dark blue; thighs and shanks clothed with hoary hairs and beset with a few black bristles; feet black, beset with black bristles; claws black; foot-cushions tawny: wings colourless; longitudinal veins from the disk to the border of the wing slightly clouded with brown; wing-ribs and veins black; poisers piceous. Length of the body 10 lines; of the wings 20 lines.

a. Port Essington. From Mr. Gould's collection.

Group V.

LAPHRIA Olbus, n. s., fem. *Cyanea, abdomine æneo-cyaneo, antennis nigris, pedibus purpureo-cyaneis, alis nigro-purpureis.*

Body deep metallic blue, shining: head as broad as the chest, covered with hoary down and thinly clothed with hoary hairs; sides of the crown covered with a few black hairs; tubercle of the eyelets armed with two long black bristles; front and clypeus armed with silvery down, the latter thickly beset with black bristles; eyes dark bronze; fore part flat and composed of large facets, which, as usual, diminish in size on approaching the outward border: lip rather long, black, clothed at the tip with short tawny hairs; palpi black and clothed with black hairs: feelers black; first and second joints covered with black hairs; second joint about half the length of the first; third joint long spindle-shaped, slightly concave on one side near the tip, very much longer than the first and the second joints: chest thinly clothed with short black hairs, beset on each side and behind with a few black bristles: breast covered with hoary down: abdomen linear, almost flat, with a bronze tinge, narrower and longer than the chest, but much less than twice its length; first and second segments short, convex; third and following segments long and of nearly equal length; tip tawny: legs purplish blue, covered with a few short black hairs and bristles; fore shanks and middle shanks beset with some longer bristles; fore shanks slightly curved; middle shanks straight; hind shanks curved, clothed beneath for two-thirds of the length from the base with short white hairs; feet black towards the tips, clothed beneath with ferruginous down; claws black; foot-cushions dull ferruginous: wings purplish black; wing-ribs and veins black; poisers yellow. Length of the body 9 lines; of the wings 18 lines.

a. Honduras. From Mr. Dyson's collection.

Gronp VI.

LAPHRIA saffrana, *Fabr. Syst. Antl.* 160, 18. *Wied. Dipt. Exot.* i. 234, 4. *Auss. Zweif.* i. 504, 9.
a. North America. Presented by the Entomological Club.
b. ——— ?

LAPHRIA erythropyga, *Wied. Auss. Zweif.* i. 509, 17.
a. Brazil. From Mrs. Mornay's collection.
b. ——— ?

LAPHRIA Telecles, n. s., mas. et fem. *Cyanea, albo pilosa, thorace albo bimaculato, antennis nigris, pedibus cyaneis, alis limpidis fusco variis.*

Body blue, shining, clothed with white hairs: head nearly as broad as the chest, rather thickly clothed with hairs, having a tuft of black bristles on each side of the crown and a thick tuft of black bristles on the clypeus: eyes black; fore part flat, distinct from the other part, and with larger facets: lip black, short, its tip clothed with yellow hairs: feelers black; first joint linear, thickly clothed with long black hairs; second joint cup-shaped, beset with black bristles, less than half the length of the first; third joint spindle-shaped, broader and a little longer than the first and the second joints: chest very thinly clothed with hairs, adorned with a bright white spot on each side in front: breast white and clothed with long white hairs: abdomen of the male linear, of the female spindle-shaped, much narrower than the chest and nearly twice its length; the sides clothed with white hairs, especially towards the base: legs blue, stout, not armed with teeth, clothed with white hairs; feet black, beset with black hairs and bristles; claws black; foot-cushions dull ferruginous; hind thighs thick, yellow from the base to the middle; hind shanks much curved: wings brown; disks of the areolets colourless; wing-ribs and veins black; poisers tawny. Length of the body 6—8 lines; of the wings 10—12 lines.

a. West Australia. From Mr. Clifton's collection.

LAPHRIA clavipes, *Fabr. Syst. Antl.* 162, 27. *Wied. Dipt. Exot.* i. 237, 9. *Auss. Zweif.* i. 513, 23. Lampria clavipes, *Macq. Dipt. Exot.* i. 2, 61, 2.

a. Para. Presented by Reginald Graham, Esq.
b. Para. Presented by Gordon Graham, Esq.
c. Brazil. Presented by J. P. George Smith, Esq.
d. Demerara. Presented by J. S. Bowerbank, Esq.
e. Brazil. Presented by the Entomological Club.
f. Brazil. From Mr. Tucker's collection.
g. Brazil.

LAPHRIA Macquartii, *Perty, Del. Anim. Art.* 181, *pl.* 36, *f.* 3.

a. Brazil. Presented by J. P. George Smith, Esq.
b. Brazil. Presented by the Entomological Club.
c. Para. Presented by Gordon Graham, Esq.
d. Brazil. From Mr. Walker's collection.
e. Brazil.

LAPHRIA spinipes, *Fabr. Syst. Antl.* 162, 28. *Wied. Dipt. Exot.* i. 240, 17. *Auss. Zweif.* i. 525, 45. L. affinis, *Fabr. Syst. Antl.* 163, 29.
a. Para. Presented by J. P. George Smith, Esq.

LAPHRIA Tolmides, n. s. *Rufa, capite thoracis lateribus abdominisque apice nigris, pedibus cyaneis, alis nigris.*

Body red, dull: head black, a little broader than the chest, sides of the front and clypeus thickly clothed with golden hairs, the latter also beset with black bristles: lip black, rather longer than the head; rest of the mouth ferruginous: neck beset with black bristles: chest with a black stripe on each side, parallel to the curve of the border: a tuft of black bristles on each side of the hind chest: breast partly clothed with yellow hairs: abdomen rather narrower than the chest, and less than twice its length, slightly decreasing in breadth from the base to the tip, which is black: legs blue, clothed with black hairs; claws black; foot-cushions red; hind thighs thick, armed beneath with short teeth; hind shanks curved: wings black; wing-ribs and veins also black; poisers tawny. Length of the body 6 lines; of the wings 12 lines.

a. Brazil? From Mr. Argent's collection.

Group VII. Hoplistomera, *Macquart.*

LAPHRIA serripes, *Fabr, Syst. Antl.* 159, 16. *Wied. Auss. Zweif.* i. 505, 11. L. maculipennis, *Macq. Hist. Nat. Dipt.* i. 285, 22. Dasypogon serripes, *Wied. Dipt. Exot.* i. 211, 11. Hoplistomera serripes, *Macq. Dipt. Exot.* i. 260, 1, *pl.* 5, *f.* 4.
a. Gambia. Presented by the Entomological Club.

Group VIII.

LAPHRIA Dymes, n. s. *Nigra, pilis argenteis vestita, capite aureo pubescente, antennis nigris, pedibus rufis, alis fuscis basi limpidis marginibusque posticis sublimpidis.*

Body black, dull, linear, clothed with very short golden hairs: head as broad as the chest, clothed with hoary hairs: a silvery tuft of hairs on each side of the front: tubercle of the eyelets beset with two tawny bristles: clypeus armed with a few long black bristles: eyes bronze; fore part flat, composed of large facets, and distinct from the other part: lip black, shining, clothed at the base with black hairs and at the tip with very short tawny hairs: feelers

black; first and second joints clothed with black hairs; first joint linear; second joint very short, not half the length of the first; third joint very long, linear, much more than thrice the length of the first and the second joints: chest beset with a few black bristles on each side, adorned, as is the breast, with silvery down, which also forms a spot on each side of the front of the chest: breast covered with hoary bloom: abdomen linear, slightly convex, as broad as the chest and about twice its length; first segment extremely short; second and following segments of moderate and equal length, with an impression on each side; tip mutilated: legs red; hips black, covered with hoary bloom; shanks beset with tawny bristles; feet dark red, armed with tawny spines, clothed beneath with golden down; claws black, red at the base; foot-cushions tawny; hind thighs rather thick, armed beneath with some tawny teeth; hind shanks nearly straight: wings brown, colourless towards the base; disks of the areolets on the hind border nearly colourless; wing-ribs and veins piceous, the latter black towards the tips; poisers tawny. Length of the body 6 lines; of the wings 12 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

LAPHRIA flavipes, *Wied. Dipt. Exot.* i. 238, 12. *Auss. Zweif.* i. 519, 33. *Macq. Dipt. Exot.* ii. 1, 63, 1.
a. Port Natal. From Dr. Krauss's collection.

LAPHRIA Sadales, n. s., mas. *Nigra, argenteo micans, antennis nigris, pedibus rufis, tarsis nigris, alis subfuscis basi limpidis.*

Body black, shining, thickly covered with golden down, narrow, linear: head as broad as the chest, clothed above with black hairs and more thickly clothed beneath with hoary hairs; a tuft of silvery hairs on each side of the clypeus, which is most thickly clothed with long black bristles: eyes black; fore part small, but composed of larger facets, and very distinct from the other part: lip black, shining, a little longer than the head, clothed at the base with hoary hairs and at the tip with very short tawny hairs: feelers black; first and second joints clothed with black hairs; first joint linear; second joint cup-shaped, not half the length of the first; third joint linear, much longer than the first and the second joints, but not near twice their length: under-side of the head behind the eyes, two oblique spots on the fore part of the chest, and some marks on the breast, of silvery lustre: sides of the chest beset with a few black bristles: hind chest with a slight tuft of long black hairs on each side: abdomen as broad as the chest and about twice its length, with a few hoary hairs on each side at the base; first segment extremely short; second and following segments to the seventh of equal and mode-

rate size, with an impression on each side; eighth and ninth segments very small: legs red, clothed with tawny hairs; hips black, clothed with hoary hairs; shanks and feet beset with black spines; shanks with a silvery lustre at the base; feet and claws black; foot-cushions tawny; hind thighs not thick; hind shanks slightly curved; wings pale brown, colourless towards the base; wing-ribs and veins piceous, the latter black towards the tips; poisers tawny. Length of the body 6 lines; of the wings 10 lines.;

The little cross-vein in the disk is double in one wing of the specimen described.

a. New York. Presented by the Entomological Club.

LAPHRIA Antæa, n. s. *Nigra, pilis nigris vestita, pectore pilis nonnullis canis, abdomine rufo pilisque rufis vestito, antennis pedibusque nigris, alis cinereo-fuscis.*

Body black, shining, head as broad as the chest, clothed with black hairs, which are most frequent beneath; a stripe of short white hairs on each side of the front between the clypeus and the base of the feelers; clypeus armed with a tuft of long black bristles: eyes bronze-black; fore part flat, with large facets, and very distinct from the other part: lip black, shining, a little longer than the head, clothed with black hairs at the base; its tip covered with short tawny hairs: feelers black; first and second joints clothed with short black hairs; first joint linear; second joint not near half the length of the first; third joint nearly linear, rather narrower at the base and near the tip, about twice the length of the first and of the second joints: chest and breast punctured, thinly clothed with short black hairs, the former beset with a few black bristles on each side, the latter partly clothed with longer hoary hairs: abdomen bright red, punctured, clothed with very short red hairs, nearly as broad as the chest and about twice its length, very slightly convex; segments impressed on each side, successively increasing in length from the first to the sixth; seventh segment a little shorter than the sixth; eighth and ninth segments very short, the latter black: legs black, clothed with short black hairs and with a few black bristles; claws black; foot-cushions tawny; feet clothed beneath with dark tawny down; hind thighs thick, and armed with short slender black teeth, which are ferruginous at the base: wings very dark brown with a slight bluish lustre, pale along the hind borders, where some of the areolets have pale gray spots in the middle; wing-ribs and veins black; poisers yellow. Length of the body 5—5½ lines; of the wings 9—10 lines.

a. Florida. Presented by E. Doubleday, Esq.
b. ——— ?

LAPHRIA Amaracus, n. s., mas. *Fulva, thorace vittis tribus cinereis, abdomine nigro, antennis nigris, femoribus ferrugineis apice nigris, tibiis flavis apice tarsisque nigris, his basi ferrugineis, alis fuscis.*

Body stout, tawny: head as broad as the chest, furnished with a few black hairs on the tubercle of the eyelets and on the sides of the eyes, beset behind with black bristles and clothed beneath with white hairs; clypeus armed with long black bristles: eyes dark green; fore part flat, quite distinct from the other part, and composed of much larger facets: lip black, shining, clothed at the base with long white hairs and at the tip with short pale tawny hairs; palpi black, thickly beset with black bristles: feelers black; first joint beset with black bristles; second joint clothed with black hairs, slightly clavate, much shorter than the first; third joint much longer than the first and the second joints, slightly increasing in breadth till near the tip, then becoming more slender: chest with three very broad gray stripes and with three rows of black hairs; sides beset with black bristles: abdomen tapering from the base to the tip, black, shining, crossed by numerous little furrows, clothed with tawny hairs, adorned with bands of tawny down along the hind borders of the segments, rather narrower than the chest and less than twice its length; segments from the third successively decreasing in length: legs stout, clothed with short yellow hairs, beset with black bristles; hips gray; thighs ferruginous, with black tips; shanks yellow, with black tips; feet black; first joint ferruginous from the base to the middle; claws black; foot-cushions brown: wings brown, paler on the hind borders towards the base; wing-ribs and veins piceous, the latter black towards the tips; poisers tawny, with ferruginous knobs. Length of the body 5 lines; of the wings 10 lines.

a. New Holland. Presented by J. Hunter, Esq.

Group IX.

LAPHRIA submetallica, *Macq. Dipt. Exot.* i. 2, 63, 3.
a. Isle of France.

LAPHRIA Taphius, n. s., fem. *Nigra, pilis nigris vestita, thorace nigro-fusco, pectore pilis nonnullis canis, abdomine purpureo, antennis nigris, pedibus nigro-purpureis, alis nigris.*

Body black, clothed with short black hairs: head a little broader than the chest, clothed with long black hairs, which are most frequent beneath; two long black bristles on the tubercle of the eyelets; clypeus armed with long black bristles: eyes bronze:

the flat part comprises only a small part of the front, but is composed of very large facets, and quite distinct from the other part: lip black, shining, much longer than the head, clothed with black hairs at the base, ferruginous and covered with short tawny hairs at the tip: feelers black; first and second joints clothed with black hairs; second joint full half the length of the first; third joint spindle-shaped or nearly linear, much longer than the first and the second joints, but not near twice the length: chest covered with a brown bloom, beset with some black bristles on each side: breast partly clothed with hoary hairs: abdomen bluish purple, shining, linear, convex, clothed with very short black hairs, thickly crossed with very little furrows, rather narrower than the chest and rather less than twice its length; first segment extremely short; second and third segments of moderate length; fourth, fifth and sixth segments longer; seventh segment shorter; eighth and ninth segments very small: legs purplish black, clothed with hoary hairs; shanks and feet beset with black bristles; claws black; foot-cushions piceous; hind legs longer than the rest, their thighs not thick nor armed with teeth, their shanks slightly curved: wings black, pale gray towards the base; wing-ribs and veins black; poisers piceous. Length of the body 5 lines; of the wings 10 lines.

a. Philippine Islands. From Mr. Wood's collection.

Group X.

LAPHRIA Æatus, n. s. *Nigra, pectore cinereo, abdomine piceo, dorso ferrugineo, antennis pedibusque nigris, alis basi limpidis apice sublimpidis.*

Body black, shining, rather slender, thinly clothed with hairs: head a little narrower than the chest, covered with hoary or silvery lustre, and clothed with black and white hairs; front and clypeus thickly beset with long black bristles; two black bristles on the tubercle of the eyelets: eyes black; fore part flat, distinct from the other part, and with much larger facets: lip black, its tip clothed with short ferruginous hairs: feelers black; first joint linear, clothed with black hairs; second joint beset with black bristles, not half the length of the first; third joint spindle-shaped, much longer than the first and the second, but not twice their length: chest thinly clothed with hoary and tawny hairs: breast gray and clothed with hoary hairs: abdomen linear, piceous, convex, obconical at the tip, nearly as broad as the chest but less than twice its length, hairless beneath, ferruginous and clothed with ferruginous hairs on the back, excepting the base, which has a fringe of long white hairs on each side:

legs black, rather slender, not armed with teeth, clothed with short gray hairs; shanks hardly curved; thighs and shanks beset with a few black bristles; feet armed with short black spines; claws black; foot-cushions dark tawny: wings colourless for half the length from the base, light brown thence to the tips; wing-ribs and veins black; poisers ferruginous. Length of the body 6—8 lines; of the wings 12—14 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.
b. Nova Scotia. From Lieut. Redman's collection.
c. ——— ?

LAPHRIA posticata, *Say*, *Long's Exped. to St. Peter's River*, *App.* 374, 1. *Wied. Auss. Zweif.* i. 518, 32.
a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.
b. Nova Scotia. From Lieut. Redman's collection.
c. Maine. Presented by the Entomological Club.
d. ——— ?

LAPHRIA thoracica, *Fabr. Syst. Antl.* 158, 10. *Wied. Dipt. Exot.* i. 236, 8. *Auss. Zweif.* i. 511, 21.
a. Nova Scotia. From Lieut. Redman's collection.
b. New York. Presented by E. Doubleday, Esq.

LAPHRIA sericea, *Say*, *Journ. Acad. Phil.* iii. 74, 4. *Amer. Ent. pl.* vi. *Wied. Auss. Zweif.* i. 508, 16.
a. Ohio. Presented by the Entomological Club.
b. ——— ? From Mr. Children's collecion.
c. Canada.
d. Nova Scotia. From Lieut. Redman's collection.

LAPHRIA Sacrator, n. s. *Æneo-atra, sublinearis, vix lata, pilis flavis nigrisque hirta, pectore ventreque piceis, antennis nigris, pedibus piceis, tarsis ferrugineis, alis limpidis.*

Body bronze-black, nearly linear, not very broad, thickly clothed with hairs: head narrower than the chest, clothed with black and yellow hairs; the latter are most frequent on the front and on the clypeus, where the hairs are longest; tubercle of the eyelets beset with two black bristles: eyes black; fore part flat, very distinct from the other part, and having much larger facets: lip black, short, its tip clothed with ferruginous hairs; feelers black; first joint linear, clothed with black hairs; second joint cup-shaped, beset with black bristles, not half the length of the first; third joint slightly tapering from near the base to the tip, about twice the length of the first and

of the second joints: chest clothed with yellow hairs: breast and under-side of the abdomen piceous, almost hairless: back of the abdomen clothed with yellow hairs from the base to the middle, and with black hairs thence to the tip: legs piceous, thickly clothed with tawny and black hairs, not armed with teeth; hind thighs rather thick; hind shanks slightly curved; feet ferruginous and clothed with ferruginous hairs, as are also the tips of the shanks; claws black, ferruginous at the base; foot-cushions tawny: wings colourless; wing-ribs and veins piceous, the latter black towards the tips; poisers tawny. Length of the body 7½—8 lines; of the wings 15—16 lines.

a. Nova Scotia. Presented by F. Walker, Esq.
b. Nova Scotia. From Lieut. Redman's collection.

Laphria lasipes, *Wied. Auss. Zweif.* i. 502, 6.
a. Newfoundland. Presented by W. C. St. John, Esq.

Laphria tergissa, *Say, Journ. Acad. Phil.* iii. 75, 5. *Wied. Auss. Zweif.* i. 502, 5.
a. Georgia. From Mr. Abbot's collection.

Laphria Alcanor, n. s., mas. *Æneo-atra, lata, crassa, pilis nigris flavisque vestita, antennis nigris, pedibus piceis, alis subfuscis, marginibus posticis sublimpidis.*

Body bronze-black, broad, stout, very thickly clothed with hairs: head small, very much narrower than the chest, thickly clothed with black hairs, especially on the front and on the clypeus: eyes black; fore part flat, composed of large facets, and distinguishable from the other part: lip short, stout, its tip clothed with ferruginous hairs: feelers black; first joint hairy, linear; second joint bristly, cup-shaped, about half the length of the first: chest clothed with yellow hairs: breast almost hairless: abdomen almost hairless at the base, excepting a tuft of black hairs on each side; then comes a broad yellow band of hairs extending to a little beyond the middle of the back, the rest of whose surface is clothed with black hairs: legs piceous, stout, thickly clothed with black and dark ferruginous hairs, not armed with teeth; thighs rather thick; shanks curved, especially the hind pair; tips of the thighs and under-side of the fore shanks adorned with ferruginous down; claws black; foot-cushions dark tawny: wings very light brown; disks of the areolets along the hind borders colourless; wing-ribs and veins ferruginous, the latter piceous towards towards the tips; poisers dark tawny. Length of the body 9 lines; of the wings 16 lines.

a. Massachusetts: From Prof. Sheppard's collection.

LAPHRIA Alebas, n. s., fem. *Nigra, crassa, flavo-hirta, pectore abdomineque piceis, antennis ferrugineis basi piceis, pedibus ferrugineis, alis albis.*

Body black, broad, thick, and most thickly covered with short close hairs: head much narrower than the chest, clothed with pale yellowish brown hairs above, in front and beneath, and with pale tawny hairs behind: eyes bronze-black, flat on the fore part, where the facets are much larger, and the line between the two regions is distinct: lip black, very stout, clothed towards the tip with short yellow hairs; tongue black, covered beneath with yellow down: feelers ferruginous; first joint piceous, nearly linear; second joint cup-shaped, beset with a few black bristles, hardly more than half the length of the first; third joint very long spindle-shaped, very much more than twice the length of the first and of the second joints: chest clothed with pale yellow hairs: breast piceous: abdomen piceous, elliptical, broader and longer than the chest, clothed above with pale yellowish brown hairs: legs ferruginous, thickly clothed with tawny hairs; thighs paler at the base; shanks beneath at their tips and under-side of feet covered with shining pale yellow bloom; hind thighs thick, not armed with teeth; hind shanks curved; fore shanks armed on the middle of the under-side with about four stout short teeth; claws black, ferruginous towards the base; foot-cushions yellow; shanks, and more especially the feet, beset with black bristles: wings white; wing-ribs, veins and poisers yellow. Length of the body 10 lines; of the wings 20 lines.

a. ——— ?

LAPHRIA Tidius, n. s. *Æneo-atra, lata, pilis flavis vestita, pectore piceo, abdomine apice nudo subtus piceo, antennis nigris, pedibus piceis, alis subfuscis marginibus posticis sublimpidis.*

Body bronze-black, broad, thick, clothed with yellow hairs: head much narrower than the chest, clothed with shining yellow hairs, which are thickest on the front and on the clypeus; crown thinly clothed with dark tawny hairs: eyes bronze-black; fore part flat, composed of larger facets, distinct from the other part: lip short, stout, its tip clothed with short ferruginous hairs: feelers black; first joint nearly linear, clothed towards the base with long yellow hairs; second joint cup-shaped, beset with a few black bristles, hardly less than half the length of the first; third joint slightly increasing in breadth from the base till near the tip, which is conical, about twice the length of the first and the second joints: chest thickly clothed with bright yellow hairs; breast piceous, with a few dull yellow hairs; scutcheon beset with black bristles: abdomen

linear, obconical towards the tip, as broad as the chest and much longer; disks of the fore borders of the segments and the whole of the two last segments hairless: legs piceous, stout, not armed with teeth, clothed with short black hairs and beset with black bristles; thighs and shanks partly clothed with yellow hairs; hind thighs rather thick; shanks, especially the hind pair, curved; claws black; foot-cushions piceous: wings pale brown; disks of the areolets along the hind border colourless; wing-ribs, veins and poisers ferruginous. Length of the body 9 lines; of the wings 18 lines.

a. ———?

Group XI.

LAPHRIA hirtipes, *Fabr. Syst. Antl.* 158, 8. *Wied. Dipt. Exot.* i. 235, 5. *Auss. Zweif.* i. 504, 10.

a. Var.? abdomen and wings entirely black. Africa. Presented by J. D. Tebbs, Esq.

LAPHRIA Xylocopiformis, n. s., fem. *Æneo-atra, purpureo micans, nigro pilosa, capite albo piloso, thoracis fasciculis duobus flavis, antennis pedibusque nigris, alis purpureo-nigris.*

Body broad, bronze-black with a purple tint, clothed with short black hairs; head a little narrower than the chest, clothed with white hairs on the crown and on the front, and with long black hairs beneath; clypeus armed with many black bristles: lip black, shining, not so long as the head, beset at the base with black bristles, clothed at the tip with short piceous hairs: eyes black; fore part flat, tolerably distinct from the other part and composed of larger facets: feelers black, very small, but little longer than half the breadth of the crown between the eyes; first and second joints shining, slightly club-shaped, beset with a few black bristles; second joint more slender and a little shorter than the first; third joint very long spindle-shaped, dull, hairless, about twice the length of the first and the second joints: sides of the chest thickly clothed with long black hairs, and each adorned in front with a tuft of very bright yellow hairs: abdomen nearly oval, smooth, shining, a little broader than the chest, thickly clothed on each side with black hairs; first segment very short; second segment short; third and four following segments of equal length; eighth and ninth segments very small: legs black, stout, thickly clothed—especially the shanks—with black hairs; hind thighs not thick nor armed with teeth; hind shanks curved slightly, but more so than the other shanks; claws black; foot-cushions pale piceous, whitish beneath: wings black,

adorned with bluish purple lustre; wing-ribs and veins black; poisers piceous. Length of the body 15 lines; of the wings 28 lines.

a. Madras. Presented by Walter Elliott, Esq.

Group XII.

LAPHRIA Echemon, n. s., fem. *Nigra, thorace nigro-æneo, antennis pedibusque nigris, genubus ferrugineis, tibiis tarsisque posticis latis, alis sublimpidis.*

Head gray, a little narrower than the chest, clothed behind and beneath with white hairs; front and clypeus covered with shining whitish down, the latter beset with pale yellow hairs and bristles: lip black, clothed at the tip with short tawny hairs; tongue tawny; palpi black, clothed with black hairs: eyes dark reddish bronze; fore part convex, its facets very little larger than those of the other part: feelers black; first and second joints of nearly equal length, beset with black hairs; third joint spindle-shaped, longer than the first and the second joints: chest brassy black, punctured, shining, with a few short pale hairs on each side; shoulders and breast gray, the latter clothed with short hoary hairs: abdomen black, thickly punctured, shining, clothed with tawny down, nearly linear, convex, as broad as the chest and about twice its length; segments from the base successively increasing in length: legs black, thinly clothed with short white hairs, and beset with a few long slender white bristles; shanks at the base and knees ferruginous; feet clothed beneath with ferruginous down; claws black, ferruginous at the base; foot-cushions tawny; hind shanks club-shaped, thickly clothed beneath with short tawny hairs; hind feet broad: wings with a very slight gray tinge; wing-ribs piceous; veins black; the two fore border veins united for some length before their end; the two cross-veins that bound the second and the third hinder areolets forming an uninterrupted line; poisers yellow. Length of the body 3 lines; of the wings 6 lines.

a. Ohio. Presented by the Entomological Club.

ASILUS, *Linn.*

Group I.

ASILUS coriarius, *Wied. Auss. Zweif.* ii. 644, 62. Craspedia coriaria, *Macq. Dipt. Exot.* i. 2, 83, 1, *pl.* 8, *f.* 1 (Blepharis cori-

arius). Midas giganteus, *Dict. Univ. d'Hist. Nat. pl.* 1, *f.* 5.
a. New Holland. From the Hardwicke bequest.
b. Port Stephen. Presented by the Earl of Derby.
c. New Holland. From Mr. Lambert's collection.
d. West Australia. From Mr. Clifton's collection.
e. New Holland. From Mr. Walker's collection.

Asilus Audouinii. Craspedia Audouinii, *Macq. Dipt. Exot.* i. 2, 84, 2. Blepharotes abdominalis, *Westw. Naturalist's Libr.* xxxiv. *pl.* 37, *f.* 1.
a. New Holland. Presented by R. Brown, Esq.
b. New Holland. From Mr. Lambert's collection.

Group II.

Asilus infernalis, *Wied. Dipt. Exot.* i. 202, 35. *Auss. Zweif.* 475, 76. *Perty, Del. Anim. Art.* 181, *pl.* 36, *f.* 5. Mallophora infernalis, *Macq. Hist. Nat. Dipt.* i. 301, 1.
a. Brazil. From Mr. Mornay's collection.
b. Brazil. From Mr. Walker's collection.
c. Brazil.

Asilus bomboides, *Hoffmansegg, Wied. Dipt. Exot.* i. 203, 37. *Auss. Zweif.* i. 476, 77. Mallophora bomboides, *Macq. Hist. Nat. Dipt.* i. 302, 2. *Dipt. Exot.* ii. 1, 89, 11.
a. Georgia. From Mr. Abbot's collection.
b. Georgia.

Asilus Pluto, *Wied. Auss. Zweif.* i. 477, 80.
a. Brazil.

Asilus tibialis, *Macq. Dipt. Exot.* i. 2, 85, 1.
a. Brazil. Presented by the Entomological Club.

Asilus Amphinome, n. s., mas. et fem. *Piceus, abdomine ferrugineo pilis flavis vestito, basi nigro, antennis nigris, apice piceis, pedibus piceis, tibiis posticis fulvis, alis fulvis.*

Body piceous: head narrower than the chest, clothed behind and beneath with yellow hairs; crown covered on each side with tawny down and with a few black hairs; front and clypeus covered with pale yellow down, the latter prominent, thickly clothed with long pale yellow hairs: eyes dark bronze; fore part large, flat, its facets much larger than those of the other part: lip thick, black, clothed at the tip with short tawny hairs; palpi black and clothed

with black hairs: first and second joints of the feelers black, beset with a few black bristles; second joint much shorter than the first; third joint piceous, conical, as long as the first; bristle piceous, much longer than all the preceding joints: chest clothed with short tawny hairs, and beset on each side and behind with black bristles, which are most numerous on the scutcheon: abdomen ferruginous, black at the base, shining towards the tip, which in the female is armed with a circlet of short ferruginous spines, mostly piceous beneath in the male, thickly clothed with pale yellow hairs for about one-third of the length near the base, much narrower than the chest and about one-fifth longer; its breadth decreases slightly from the base to the middle, and thence more quickly to the tip: legs piceous, stout, clothed with black hairs and beset with black spines and bristles; foot-cushions piceous above, dull ferruginous beneath; hind shanks pale tawny, clothed with pale yellow hairs; hind feet ferruginous towards the base: wings dark tawny; wing-ribs, veins and poisers piceous. Length of the body 10 lines; of the wings 20 lines.

a. Honduras. From Mr. Miller's collection.
b. ——— ?

Asilus Lampon, n. s., mas. *Piceus, nigro-pilosus, abdomine pilis flavis vestito, antennis piceis, articulo 2° ferrugineo, femoribus ferrugineis, tibiis flavis, tarsis nigris, alis fulvis basi et ad costam fuscis.*

Body piceous, a little narrower than the chest: head covered with pale yellow down, clothed behind and beneath with yellow hairs, beset behind the eyes with some black bristles; crown black; front covered with a few yellow hairs; clypeus dark ferruginous, thickly beset with long pale yellow bristles: eyes black; fore part large, nearly flat, its facets larger than those of the other part: lip stout, black, clothed with pale tawny hairs: feelers piceous; first and second joints beset with a few black hairs, of nearly equal length; first joint dark ferruginous; third joint nearly spindle-shaped, as long as the first and the second joints; bristle black, very much longer than the first and the second joints: chest clothed with short black hairs, beset on each side and behind with black bristles; the scutcheon is thickly armed with these bristles, and, like the breast and the sides of the chest, is covered with a ferruginous bloom: abdomen narrower but not longer than the chest, decreasing in breadth from the base to the tip, thickly clothed with pale yellow hairs, which on the back are mingled with black hairs towards the base, and the hairs are tawny towards the tip, which is black and shining: legs stout, clothed with black hairs and beset with black

bristles; hips and thighs piceous; thighs dark ferruginous; knees black; shanks yellow, with black tips; feet black, broad, clothed at the tips with hoary hairs; claws black; foot-cushions dark tawny; fore thighs and middle thighs thicker than the hind thighs; fore shanks and middle shanks clothed with yellow hairs: wings tawny, dark brown at the base and along the fore border for half the length; wing-ribs and veins black; poisers piceous, with tawny knobs. Length of the body 8 lines; of the wings 20 lines.

a ——— ? Presented by the Entomological Club.

Asilus ater. Mallophora atra, *Macq. Hist. Nat. Dipt.* i. 30, 2.
a. Para. Presented by Gordon Graham, Esq.
b. ——— ?

Group III.

Asilus nigritarsis, *Wied. Auss. Zweif.* i. 479, 84. Dasypogon nigritarsis, *Fabr. Syst. Antl.* 168, 18. Mallophora nigritarsis, *Macq. Dipt. Exot.* i. 2, 86, 4.
a. Demerara. Presented by J. S. Bowerbank, Esq.
b. Brazil. From Mr. Mornay's collection.
c. ——— ?

Asilus Copillus, n. s., mas. et fem. *Fulvus, subtus canus, abdominis maculis nigris, antennis rufis, pedibus fulvis, alis subfulvis.*

Head as broad as the chest, covered with golden down, clothed on the crown and behind with tawny hairs and beneath with longer yellow hairs; front covered with a few yellow hairs; clypeus prominent, thickly beset with yellow bristles: eyes green and purple; fore part flat, very distinct from the other part, and composed of much larger facets: lip black, stout, clothed at the tip with short tawny hairs; palpi ferruginous, clothed with tawny hairs: first and second joints of the feelers red, covered with a few short black hairs; second joint about half the length of the first: chest covered with tawny down, thinly clothed with very short black hairs, beset on each side and behind with black bristles; a large spot on each side of the hind chest; breast hoary, clothed with very long pale yellow hairs: abdomen tawny, much narrower than the chest and rather less than twice its length, tapering from the base to the tip, thinly clothed with long yellow hairs, hoary beneath and on each side towards the base; a large black spot on each segment occupying most of its breadth and one-third of its length from the base; first and second segments very short; second segment arched, adorned with a thick tuft of tawny hairs on each side; third and following segments

long, but successively decreasing in length to the last, which is adorned with a cluster of silvery hair; sexual parts large, piceous, shining: legs bright tawny, clothed with pale yellow and black hairs,—the latter are scarce on the thighs, more frequent on the shanks, and most so on the feet, where the black spines are also most abundant: wings with a slight tawny tinge, reaching when closed nearly to the tip of the abdomen; wingribs pale ferruginous; veins black; poisers tawny. *Fem.*—Abdomen twice the length of the chest, black at the tip, not adorned with silvery hairs. Length of the body 10—12 lines; of the wings 15—20 lines.

a. ——— ?

Asilus fulvipes. Trupanea fulvipes? *Macq. Dipt. Exot.* i. 2, 93, 1.
a. ——— ?

Asilus Guineensis, *Wied. Anal. Ent.* 25, 19. *Auss. Zweif.* i. 486, 92.
a. Sierra Leone. Presented by the Rev. D. F. Morgan.

Asilus Pœtinus, n. s., mas. *Fuscus, fulvo pubescens, thorace fulvo trivittato, abdominis fasciis lateribus ventreque fulvis, antennis nigris, pedibus fulvis nigro variis, alis subfulvis.*

Head as broad as the chest, covered with pale tawny down, thickly clothed behind and beneath with pale yellow hairs, beset behind the eyes with a few black bristles; crown piceous, beset with black hairs on each side; front and clypeus very thickly clothed with long pale yellow and black hairs; clypeus prominent, armed with some long yellow bristles: lip black, clothed at the tip with short whitish hairs: palpi black, clothed with black hairs: eyes dark bronze; fore part flat, composed of much larger facets than the other part: feelers black; first and second joints beset with stout black hairs; second joint not half the length of the first; third joint tapering from the base to the tip, a little shorter than the first; bristle about twice the length of the third joint: chest tawny, thinly clothed with black hairs, beset on each side and behind with some black bristles: disk brown, adorned with three tawny stripes and with two oblique tawny bands; side stripes forked towards the hind border; scutcheon and hind chest pale tawny, thickly clothed with long yellow hairs: breast gray, partly clothed with yellow hairs: abdomen narrower than the chest and rather more than twice its length, tapering from the base to the tip, brown, clothed with yellow hairs, which are longest and most frequent towards the base; sides and hind borders of the segments and the whole of the under-side tawny; first and second segments very short; second

segment arched, clothed with tufts of hairs; third and following segments long, successively decreasing in length to the tip, which is piceous and shining: legs red, clothed with tawny hairs and armed with black spines; hips gray; trochanters black; fore and middle thighs on the upper side and tips of the hind thighs black; feet, claws and tips of shanks also black; foot-cushions dark piceous; hind thighs thickly clothed towards the tips beneath with black hairs: wings slightly tawny; wing-ribs and veins piceous. Length of the body 9½ lines; of the wings 14 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

Asilus Amorges, n. s., mas. *Fuscus, thorace bivittato, pectore cinereo, abdomine nigro, antennis nigris, pedibus rufis, femoribus et tibiis apice tarsisque nigris, alis fulvis.*

Head very nearly as broad as the chest, piceous, clothed behind and beneath with white hairs, beset behind the eyes with black bristles; front and clypeus adorned with tawny down; front beset with a few black hairs; clypeus armed with long black and tawny bristles: eyes bronze; fore part flat, composed of large facets: lip and palpi black, the latter clothed with long black and tawny hairs: feelers black; first joint clothed with black hairs; second joint beset with black bristles, about half the length of the first; third joint tapering from near the base to the tip, a little shorter than the first; bristle a little more than twice the length of the third joint: ridge of the neck armed with a row of black bristles: chest brown, with two indistinct darker stripes, beset on each side and behind with black bristles: breast gray, partly clothed with tawny hairs: abdomen black, very slightly tapering from the base to the tip, much longer and narrower than the chest but not near twice its length, clothed with black hairs; sides and hind borders of the segments piceous; first and second segments very short; third and following segments long, but successively decreasing in length; last segment adorned with some white hairs: legs dark red, thickly clothed with long and short black hairs, armed with some black spines; tips of the thighs and of the shanks mostly black; feet black; claws piceous at the base; foot-cushions tawny: wings dark tawny; wing-ribs, veins and poisers piceous. Length of the body 10 lines; of the wings 17 lines.

a. ——— ?

Asilus Lævinus, n. s. *Fuscus, capite fulvo pubescente, thorace vittato, pectore ferrugineo, abdomine nigro, pedibus ferrugineis, femoribus nigro-vittatis, alis subfulvis, areola submarginali cinereo univittata.*

Body brown: head narrower than the chest, covered with pale yellow down, clothed behind and more thickly beneath with golden hairs, beset behind the eyes with a row of stout black bristles; crown pale brown, with some pale brown hairs on each side; front and clypeus thickly clothed with long golden hairs: eyes dark green; fore part flat, its facets much larger than those of the other part: lip stout, black, clothed at the tip with short tawny hairs; palpi black, clothed with black hairs: chest thinly clothed with very short black hairs; sides furnished with some whitish hairs, and beset like the hinder part with black bristles; a broad brown stripe occupies the middle, and is inlaid with two slender pale brown stripes: breast dark ferruginous, clothed with whitish hairs, partly covered with a hoary bloom: abdomen black, clothed with short black hairs; hind borders of the segments, especially on each side, adorned with longer hoary hairs: legs ferruginous, clothed with rather long pale yellow hairs, armed with black spines; thighs streaked with black: wings slightly tawny, with a gray streak on the submarginal areolet; wing-ribs ferruginous; veins piceous, ferruginous at the base; poisers tawny. Length of the body 10 (?) lines; of the wings 14 lines.

a. Massachusetts. Prom Prof. Sheppard's collection.

Asilus Anicius, n. s., fem. *Cinereus, thorace piceo quadrivittato, pectore abdominis segmentorum marginibus posticis ventreque canis, pedibus nigris, tibiis fulvis, alis subfulvis aut limpidis.*

Body gray: head a little narrower than the chest, covered with hoary down, clothed thickly behind and beneath with yellow hairs, beset behind the eyes with black bristles; crown furnished with a few black hairs; front and clypeus covered with a few yellow hairs, the latter also armed with yellow bristles: eyes bronze-black; fore part slightly convex, its facets much larger than those of the other part: lip black, clothed at the tip with short tawny hairs; palpi beset with long pale yellow hairs: first and second joints of the feelers black, clothed with a few black hairs; second joint about half the length of the first: ridge of the fore chest clothed with pale yellow hairs and beset with black bristles: chest thinly clothed with short black hairs, beset on each side and behind with black bristles, adorned with four slender indistinct piceous stripes; hind chest and breast hoary, partly clothed with yellow hairs: abdomen narrower than the chest and full twice its length, tapering from the base to the tip, clothed with yellow hairs and towards the tip with black hairs,

adorned on each side of the base with a few tufts of bright yellow hairs; hind borders of the segments and the whole of the under-side hoary; first and second segments very short; third and following segments long, but successively decreasing in length: legs black, clothed with yellow hairs and armed with black spines; shanks bright tawny, with black tips; claws black; foot-cushions dark tawny: wings slightly tawny or colourless; wing-ribs and veins ferruginous, the latter piceous towards the tips; poisers pale ferruginous. Length of the body 12 lines; of the wings 20 lines.

a. China. Presented by J. Reeves, Esq.
b. China. Presented by G. T. Lay, Esq.

Group IV.

Asilus Philus, n. s., fem. *Niger, pilis ferrugineis vestitus, abdomine nigro-piloso apice compresso, antennis nigris, pedibus rufis nigro-variis, alis fulvis apice cinereis.*

Body black: head narrower than the chest, covered with ferruginous down, clothed behind and beneath with ferruginous hairs; clypeus armed with ferruginous bristles: eyes bronze, large; fore part flat, its facets much larger than those of the other part: lip black, clothed at the tip with tawny hairs; palpi black, clothed with long black hairs: feelers black; first and second joints clothed with tawny down and beset with long black hairs; second joint much shorter than the first; third joint nearly as long as the first and the second joints, tapering from the base to the tip; bristle nearly twice the length of the third joint: chest covered with ferruginous down and clothed with ferruginous hairs: breast gray: abdomen black and clothed with black hairs, nearly linear for half the length from the base; the last four segments forming a slender tail; first and second segments very short, clothed with ferruginous hairs; third and following segments long, but successively decreasing in length: legs red, clothed with black hairs above and with tawny hairs beneath, beset with black bristles; hips, thighs at the base and especially on the upper side, knees and feet black; base of feet red; claws black; foot-cushions tawny; tips of hind shanks piceous: wings tawny, gray at the tips and thence half the length of the hind border; wing-ribs ferruginous; veins piceous; black towards the tips; poisers pale ferruginous. Length of the body 12 lines; of the wings 19 lines.

a. Silhet. From the Rev. J. Stainforth's collection.

Group V.

Asilus quadratus, *Wied. Dipt. Exot.* i. 201, 34. *Auss. Zweif.* i. 485, 90.
a. Georgia. From Mr. Abbot's collection.
b. ——— ?

Asilus annularis, *Wied. Dipt. Exot.* i. 211, 49. *Auss. Zweif.* i. 491, 99. Dasypogon annularis, *Fabr. Syst. Antl.* 171, 35.
a. Brazil. From Mr. Mornay's collection.
b. Brazil. From Mr. Children's collecion.
c. Brazil. From Mr. Tucker's collection.

Asilus flavifasciatus. Trupanea flavifasciata, *Macq. Dipt. Exot.* i. 2, 102, 26, *pl.* 9, *f.* 1.
a. Para. Presented by Gordon Graham, Esq.
b. ——— ? From Mr. Children's collection.
c. ——— ?

Asilus Amastrus, n. s., mas. et fem. *Fulvus, thorace fusco, vittis tribus ferrugineis,* fem. *abdomine maculis fuscis, antennis nigris, ferrugineo cinctis, pedibus ferrugineis, alis limpidis.*

Head tawny, a little narrower than the chest, clothed with tawny hairs and beneath with white hairs, beset behind the eyes with tawny bristles; there are some black hairs on the crown and on the front, and the latter has also some long yellow hairs; clypeus armed with long yellow bristles and on the hinder part with a few black hairs: eyes dark bronze, rather large; fore part nearly flat, tolerably distinct from the other part, and composed of much larger facets: lip black, clothed at the tip with pale yellow hairs; palpi black, beset with black bristles: feelers black; first and second joints clothed with a few black hairs; first joint linear, ferruginous at the tip; second joint ferruginous, about half the length of the first; third joint conical, hardly longer than the first; bristle nearly linear, as long as the second and the third joints: chest pale brown, with three narrow indistinct ferruginous stripes, clothed with very short black hairs; sides and breast dull tawny, the latter covered with hoary bloom and clothed with some mingled black and white hairs; sides of the chest furnished with some white hairs and black bristles, and with a ferruginous mark on the fore part: abdomen dark tawny or piceous, narrower and somewhat longer than the chest, tapering from the base to the tip, clothed with short black hairs and with longer white hairs,—the latter are chiefly on the hind borders of the segments and are thickest at the base; first and second segments very short; second segment arched, furnished on

each side with a long black bristle and with long hoary hairs; third and following segments long, successively decreasing in length; tip black: legs ferruginous, stout, clothed with white hairs and armed with black spines, which are longest on the feet; hips dull gray; claws black, ferruginous at the base; foot-cushions tawny: wings whitish or with a very slight tawny tinge, reaching when closed nearly to the tip of the abdomen; wing-ribs and veins tawny, the latter piceous towards the borders; poisers tawny. *Fem.*—Abdomen nearly twice the length of the chest, spindle-shaped till near the tip, where it is compressed; disks of the segments brown towards the fore borders, where they are clothed with black hairs, while the longer white hairs cover the hind borders; tip black: wings colourless; veins darker than those of the male. Length of the body 6—9½ lines; of the wings 10—14 lines.

a. South Africa. Presented by Dr. A. Smith.

Asilus Scilurus, n. s., fem. *Fuscus, capite albo, thoracis vittis tribus nigro-fuscis, abdominis segmentis cano fasciatis, antennis nigris, pedibus piceis, tibiis ferrugineis, alis subfulvis.*

Body brown: head white, narrower than the chest, darker on the crown, where it is furnished with a few black hairs, thickly clothed behind, in front and beneath with white hairs; clypeus armed with white bristles: eyes dark bronze; fore part nearly flat, not very distinct from the other part, but with rather larger facets: lip black, shining, clothed at the tip with yellow hairs; first and second joints of the feelers black, beset with black bristles; second joint much shorter than the first: chest brown, with three indistinct dark brown stripes, clothed with short black hairs, beset on each side and behind with black bristles,—covered also on the fore border, on the front of each side and partly behind with white hairs: breast pale brown: abdomen brown, tapering from the base to the tip, clothed with long hoary hairs, much narrower than the chest and less than twice its length; hind borders of the segments hoary; segments from the third successively decreasing in length: legs piceous, clothed with white hairs and beset with black spines; shanks dark ferruginous; claws black; foot-cushions dull tawny: wings very light brown; wing-ribs piceous; veins black, piceous towards the base; poisers tawny. Length of the body 9 lines; of the wings 15 lines.

a. South Africa. Presented by Dr. A. Smith.

Asilus Geminus, n. s., mas. et fem. *Niger, pilis flavis vestitus, abdominis* fem. *apice compresso tenui, antennis ferrugineis apice nigris, pedibus rufis, alis subfulvis, apicibus cinereo univittatis.*

Body black: head a little narrower than the chest, clothed thinly on the crown, more thickly behind, and most thickly beneath, with yellow hairs, beset behind the eyes with a row of black bristles; front and clypeus ferruginous, clothed with long yellow hairs: eyes black; fore part slightly convex, its facets larger than those of the other part: lip black, clothed at the tip with ferruginous hairs; palpi ferruginous, clothed with black hairs: feelers black; first and second joints ferruginous, clothed with short black hairs; second joint about half the length of the first; third joint spindle-shaped, nearly as long as the first; bristle full twice the length of the third joint: chest and breast clothed with yellow hairs; chest beset on each side and behind with black bristles: abdomen of the female a little narrower than the chest, and more than twice its length, slightly tapering from the base to rather less than two-thirds of the length; the three segments thence to the tip compressed, and forming a slender tail; segments from the middle to the hind borders clothed with short pale tawny hairs; first and second segments very short; third and following segments long, but successively decreasing in length; seventh segment longer than the sixth: abdomen of the male about twice the length of the chest, tapering from the base to the tip, which is adorned with a thick tuft of white silky hairs; segments from the third successively decreasing in length: legs red, clothed with short pale yellow hairs, and armed with black spines; claws black, red at the base; foot-cushions tawny; thighs striped with black: wings slightly tawny; a gray streak near the tip of the fore border; wing-ribs and veins piceous; poisers tawny. Length of the body 10½—12 lines; of the wings 15—18 lines.

a. ———?

Asilus fasciatus, var. *Fabr. Syst. Ent.* 793, 7. *Ent. Syst*, iv. 379, 13. *Wied. Dipt. Exot.* i. 208, 45. *Auss. Zweif.* i. 489, 96. Laphria fasciata, *Fabr. Syst. Antl.* 158, 11.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

Asilus fraternus, *Wied. Zool. Mag.* iii. 33, 48. *Dipt. Exot.* i. 206, 43. *Auss. Zweif.* i. 496, 106.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

b. ———?

Asilus limbatus. Trupanea limbata? *Macq. Dipt. Exot.* i. 2, 95, 5.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

Asilus Dorso, n. s., fem. *Ferrugineus, thoracis vittis tribus nigris, abdomine nigro, segmentorum marginibus posticis ferrugineis, antennis nigris, articulo 2º ferrugineo, pedibus rufis, alis limpidis.*

Body ferruginous, broad, short: head narrower than the chest, clothed behind and beneath with white hairs, beset behind the eyes with a row of ferruginous bristles; front and clypeus adorned with golden down; front clothed with long yellow hairs; clypeus beset with ferruginous and black bristles: eyes dark bronze; fore part slightly convex, its facets larger than those of the other part: lip black; palpi black, clothed with tawny hairs, and beset with some black bristles: feelers black; first and second joints clothed with tawny hairs; second joint ferruginous, half the length of the first; third joint spindle-shaped, as long as the first; bristle longer than the third joint: chest thick, thinly clothed with tawny hairs, beset on each side and behind with black bristles, adorned with three broad black stripes; the hind part is also armed with ferruginous bristles: breast covered with a gray bloom: abdomen black, longer and much narrower than the chest, tapering from the base to the tip, thinly clothed with short pale yellow hairs; hind borders of the segments ferruginous; first and second segments very short; third and following segments long, but successively decreasing in length: legs red, thinly clothed with short pale yellow hairs, armed with black spines; claws black; foot-cushions dull tawny: wings colourless; wing-ribs ferruginous; veins piceous; poisers tawny. Length of the body 11 lines; of the wings 18 lines.

a. South Africa. Presented by Dr. A. Smith.

Group VI.

Asilus Antiphon, n. s., fem. *Fulvo-cinereus, capite albo, thoracis lateribus scutello pectoreque canis, abdomine cinereo apice albo subtus cano, antennis pedibusque nigris, alis subfuscis.*

Head grayish tawny, narrower than the chest, white, and clothed with white hairs behind and beneath, furnished with a few black hairs on the crown, beset with black bristles behind the eyes; front and clypeus adorned with silky yellowish white down, the former beset with a few long white hairs, the latter armed with some long pale yellow bristles: eyes bronze; fore part flat, distinct from the other part, and composed of large facets: lip black, shining, clothed at the base with long, and at the tip with short pale yellow hairs; tongue ferruginous: first and second joints of the feelers

black, clothed with short black bristles; second joint about half the length of the first: chest dark gray, with a tawny tinge, grayish tawny towards the sides, which, like the breast and the hind chest, are hoary; sides and hind part of the chest beset with black bristles: abdomen gray, hoary beneath, tapering from the base to the tip, thinly clothed with short white hairs, and with a tuft of long white hairs on each side of the base, narrower than the chest, and about twice its length; segments from the third to the fifth successively decreasing in length; sixth and following segments of nearly equal size; ninth segment long, slender, black, shining: legs black, clothed with pale yellow hairs, and beset with some black bristles, which are most frequent on the feet; claws black; foot-cushions ferruginous: wings pale brown; wing-ribs ferruginous; veins black, piceous towards the base; poisers tawny. Length of the body 12 lines; of the wings 18 lines.

a. ——— ?

Group VII. Erax, *Macquart.*

Asilus macrolabis, *Wied. Auss. Zweif.* i. 458, 51.
a. Georgia. From Mr. Abbot's collection.

Asilus labidophorus, *Wied. Auss. Zweif.* i. 459, 52. Erax labidophorus, *Macq. Dipt. Exot.* i. 2, 110, 7.
a. Brazil.

In one example of this species the vein between the submarginal areolets has a fork at its base in one wing, but not in the other.

Asilus æstuans, *Linn. Syst. Nat.* ii. 1007, 5. *Amœn Acad.* vi. 413, 95. *Fabr. Syst. Ent.* iv. 379, 8. *Ent. Syst.* iv. 379, 14. *Wied. Dipt. Exot.* i. 200, 32. *Auss. Zweif.* i. 467, 63. Dasypogon æstuans, *Fabr. Syst. Antl.* 164, 2. Erax æstuans, *Macq. Dipt. Exot.* i. 2, 115, 19.
a. Delaware. Presented by E. Doubleday, Esq.

Asilus niger, *Wied. Dipt. Exot.* i. 196, 26. *Auss. Zweif.* i. 460, 53.
a. Georgia. From Mr. Abbot's collection.

Asilus fuscus, *Wied. Auss. Zweif.* i. 465, 59. Erax fuscus, *Macq. Dipt. Exot.* i. 2, 112, 11.
a. Brazil. From Mr. Mornay's collection.

Asilus femoratus. Erax femoratus, *Macq. Dipt. Exot.* i. 2, 115, 20.
a. Georgia. From Mr. Abbot's collection.
b. ——— ?

In two insects of this species the vein between the submarginal areolets is double at its base in one wing.

Asilus rufibarbis. Erax rufibarbis, *Macq. Dipt. Exot.* i. 2, 116, 22.
a. ——— ?

Asilus stylatus, *Fabr. Syst. Ent.* iv. 795, 19. *Ent. Syst.* iv. 384, 38. *Wied. Dipt. Exot.* i. 198, 30. *Auss. Zweif.* i. 462, 57. Dasypogon stylatus, *Fabr. Syst. Antl.* 171, 31.
a. ——— ? From Mr. Children's collection.
b. ——— ?

Asilus Sicyon, n. s., fem. *Niger, thoracis lateribus pectoreque ferrugineo variis, antennis rufis apice nigris, pedibus nigris, alis limpidis.*

Body black, covered with a gray bloom: head much narrower than the chest, clothed behind and beneath with tawny hairs, beset behind the eyes with black bristles; crown covered with a few tawny hairs, beset on each side with some black bristles; front beset with pale yellow hairs and black bristles; clypeus armed with long tawny bristles, and in front with black spines: eyes black; fore part slightly convex, its facets not much larger than those of the other part: lip black, clothed at the tip with pale yellow hairs; palpi black, beset with black bristles: feelers black; first and second joints red, beset with a few black hairs; second joint about half the length of the first; third joint spindle-shaped, as long as the first, red at the base; bristle longer than the third joint: ridge of the neck beset with black bristles: chest thinly clothed with short black hairs, beset on each side and behind with some black bristles; sides and breast partly ferruginous, and furnished with a few pale yellow hairs: abdomen much narrower than the chest and about twice its length, tapering from the base to the tip; first and second segments very short; third and following segments long, but successively decreasing in length: legs black, covered with a hoary bloom, clothed with whitish hairs, armed with black spines; foot-cushions tawny: wings colourless, reaching when closed almost to the tip of the abdomen; wing-ribs and veins piceous; poisers tawny, with piceous knobs. Length of the body 9 lines; of the wings 14 lines.

a. Brazil.

Asilus flavo-fasciatus, *Wied. Auss. Zweif.* i. 470, 68.
a. Honduras. From Mr. Miller's collection.
b. ——— ?

Asilus lascivus? *Wied. Auss. Zweif.* i. 474, 75.
a. Honduras. From Mr. Miller's collection.

Asilus Amarynceus, n. s., fem. *Niger, cinereo pubescens, abdominis lateribus ferrugineo vittatis, apice compresso, ventre cano, antennis pedibusque nigris, tibiis fulvis, alis limpidis.*

Body black, covered with a gray bloom: head as broad as the chest, clothed behind and more thickly beneath with white hairs, beset behind the eyes with a row of black bristles, covered with black hairs on each side of the crown; clypeus very prominent, beset with black bristles, clothed also in front with long whitish hairs: eyes black; fore part flat, its facets very large, the outline between them and the other part unusually distinct: lip black, clothed at the tip with short tawny hairs; palpi black, beset with long black hairs and bristles: feelers black; first and second joints beset with black hairs; second joint slightly club-shaped, about half the length of the first; third joint spindle-shaped, shorter than the first; bristle about twice the length of the third joint: chest clothed with short black hairs, beset with black bristles on each side, and behind where it is also covered with some long hoary hairs: breast partly clothed with a few hoary hairs: abdomen narrower than the chest and nearly thrice its length, slightly tapering from the base to nearly two-thirds of the length, thence to the tip compressed and very slender, clothed with short whitish hairs; a ferruginous stripe along each side; underside hoary, clothed with longer whitish hairs; first and second segments very short; second segment arched, clothed with long white hairs, and armed with three black bristles on each side; third and following segments long, but successively decreasing in length: legs black, clothed with black hairs, and armed with black spines; shanks tawny, with black tips, clothed beneath like the feet with tawny down; foot-cushions tawny: wings colourless; wing-ribs piceous; veins black; poisers ferruginous. Length of the body 8½ lines; of the wings 12 lines.

a. ——— ?

Asilus senilis, *Wied. Auss. Zweif.* i. 471, 70.
a. ——— ?

Asilus Dascyllus, n. s. *Fuscus, pectore cinereo, antennis nigris, pedibus piceis, tibiis ferrugineis apice piceis, alis albidis.*

Body brown: head covered with hoary bloom, a little narrower than the chest, thickly clothed beneath with very long golden hairs; hind part thinly clothed with short white hairs, and beset with black and tawny bristles; crown beset on each side with black bristles; clypeus large, prominent, very thickly clothed with long golden hairs, and beset in front with a few black bristles: eyes dark bronze; fore part slightly convex, its facets larger than those of the other part: lip black, clothed at the tip with short pale yellow hairs; palpi black, beset with black bristles: feelers black: first and second joints beset with short black bristles; second joint not half the length of the first; third joint elliptical, shorter than the first: chest thinly clothed with short black hairs, beset on each side and behind with some black bristles: breast tinged with gray, partly clothed with long hoary hairs: legs piceous, clothed with long yellow hairs, armed with black spines, which are very thick on the feet; shanks ferruginous, piceous towards the tips; claws black; foot-cushions tawny; shanks and feet covered beneath with pale ferruginous down: wings whitish; wing-ribs and fore border veins ferruginous; the other veins piceous. Length of the body 8? lines; of the wings 12 lines.

a. Massachusetts. From Prof. Sheppard's collection.

Asilus virilis? *Wied. Auss. Zweif.* i. 468, 65. Erax virilis, *Macq. Dipt. Exot.* i. 2, 113, 14.

a. ——— ?

Asilus obscurus. Erax obscurus? *Macq. Dipt. Exot.* i. 2, 112, 12.

a. Para. Presented by J. P. George Smith, Esq.

Asilus Bastardi? *Macq. Dipt. Exot.* i. 2, 117, 25, *pl.* 9, *f.* 7.

a. Brazil.

Asilus Bardyllis, n. s., fem. *Ferrugineus, thoracis vittis quatuor nigris, abdomine nigro, segmentorum marginibus posticis fulvis, antennis pedibusque nigris, tibiis alisque fulvis,*

Fem.—Head piceous, as broad as the chest, mostly covered with ferruginous down above, and with pale yellow down beneath, clothed with bright yellow hairs behind and beneath, beset behind the eyes with black bristles; tubercle of the eyelets armed with two black bristles; crown covered with black hairs on each side; front and clypeus adorned with pale golden down, the latter very prominent, beset with yellow hairs and black bristles: eyes dark bronze; fore part slightly

convex, its facets larger than those of the other part: lip black, clothed at the tip with short tawny hairs; palpi black, clothed with long black hairs: feelers black; first and second joints covered with a gray bloom and clothed with black hairs; second joint about half the length of the first; third joint of the feelers tapering from the base to the tip, about three-fourths of the length of the first; bristle much longer than all the preceding joints: chest and breast covered with ferruginous down; chest thinly clothed with short black hairs, beset on each side and behind with black bristles, adorned with four black stripes, of which the middle pair are long and straight, the side pair are shorter, broader, slightly curved, and each interrupted by an oblique band: abdomen black, narrower than the chest, and more than twice its length, tapering from the base to two-thirds of its length, compressed, linear, and like a tail from thence to its tip, very thinly clothed with tawny hairs, and also towards the tip with black hairs; sides and hind borders of the segments dark tawny; compressed segments black, shining, hairless: legs black, clothed with black hairs, beset with black spines; shanks bright tawny, clothed with tawny hairs, their tips black; claws black; foot-cushions tawny: wings tawny; wing-ribs and veins piceous; poisers pale ferruginous. Length of the body 12 lines; of the wings 17 lines.

a. Brazil. From Mrs. Mornay's collection.
b. ———?

Asilus Leon, n. s., mas. *Cinereus, thorace flavo vittis quatuor nigris, pectore albo, abdominis fasciis canis, antennis nigris, pedibus rufis, femoribus nigro-vittatis, tibiis apice tarsisque nigris, alis subfulvis apice cinereis.*

Body hoary: head narrower than the chest, clothed behind and beneath with white hairs, beset behind the eyes with a row of black bristles; sides of the crown covered with black hairs; front clothed with black hairs; clypeus armed with long slender yellowish white bristles: eyes dark bronze; fore part nearly flat, composed of large facets: lip black, clothed at the tip with short tawny hairs; palpi black, beset with long black bristles: feelers black; first and second joints beset with stout black hairs; second joint a little shorter than the first: ridge of the fore chest clothed with white hairs and beset with black bristles: chest yellow, thinly clothed with black hairs, and also on each side with a few white hairs, adorned with four broad black stripes, beset on each side and behind with some black bristles; breast and sides of the chest white, partly clothed with white hairs: abdomen gray, narrower than the chest, and rather more than twice its length, very slightly tapering from the base to

the tip, clothed with white hairs, which are most frequent at the base; sides and hind borders of the segments and the whole of the underside hoary; first and second segments very short; third and following segments long, successively decreasing in length; sexual parts black, shining, very large: legs bright red, clothed with pale yellow hairs, armed with black spines; hips hoary; thighs striped with black; knees and tips of the shanks black; feet black, thickly clothed beneath with ferruginous down; claws black, red towards the base; foot-cushions tawny: wings light tawny, white along the fore borders, till near the tips, which are gray; wing-ribs piceous; veins black; poisers tawny. Length of the body 14 lines; of the wings 22 lines.

a. ——— ? From Mr. Children's collection.

Asilus Lades, n. s., fem. *Niger, thoracis vittis quatuor ferrugineis, abdomine cano maculis nigris, apice compresso nigro nitente, antennis pedibusque nigris, alis fuscis.*

Body black: head a little narrower than the chest, clothed behind and beneath with pale yellow hairs, beset behind the eyes with black bristles; crown thinly covered with black hairs; clypeus very prominent, thickly armed with black bristles and long pale yellow hairs: eyes black; fore part slightly convex, its facets very much larger than those of the other part: lip black, clothed at the tip with short tawny hairs; palpi black, beset with black hairs and bristles; first and second joints of the feelers black, beset with short stout black hairs; second joint about half the length of the first: chest black, thinly clothed with black hairs, beset on each side and behind with a few black bristles, adorned with four dark ferruginous stripes, the two on each side joined together by an oblique band: breast very dark ferruginous, partly clothed with black hairs: abdomen hoary, much narrower than the chest, and more than twice its length, slightly tapering, and clothed with hoary hairs from the base to near two-thirds of the length, and thence for a short space clothed with black hairs, lastly black, shining, compressed, and very slender to the tip; each segment of the back is also black, with the exception of its sides and of its hind border; first and second segments very short; second segment arched, armed with a row of black bristles; third and following segments long, successively decreasing in length: legs black, clothed wtth black hairs, armed with black spines; foot-cushions dark tawny: wings brown, reaching when closed, to about two-thirds of the length of the abdomen; wing-ribs and veins black; poisers tawny, with piceous knobs. Length of the body 12½ lines; of the wings 16 lines.

a. Brazil. From Mr. Mornay's collection.

Asilus Caudex, n. s., mas. et fem. *Niger, thorace fulvo, vittis quatuor nigris, pectore cano, abdominis lateribus,* mari. *fulvo-albo vittatis,* fem. *abdomine cano bivittato apice compresso, antennis pedibusque nigris, alis fuscis.*

Male. — Body black: head very nearly as broad as the chest, covered with tawny down, thickly clothed beneath with white hairs; hind part clothed with a few whitish hairs, and beset with a row of black bristles; crown beset with some black hairs; clypeus prominent, thickly armed with black bristles, and in front clothed also with some whitish hairs: eyes dark bronze; fore part flat, its facets much larger than those of the other part: lip black, shining, clothed at the tip with short hoary hairs; palpi black, thickly beset with long black bristles: feelers black; first and second joints clothed with black hairs; second joint not near half the length of the first; third joint spindle-shaped, much shorter than the first; bristle nearly thrice the length of the third joint: chest tawny, clothed with black hairs, beset on each side and behind with some black bristles, adorned with four black stripes; middle stripes narrow and linear; side stripes broad, especially on the hind part, each interrupted by three oblique tawny bands: breast hoary, partly clothed with black or hoary hairs: abdomen black, narrower than the chest, and rather more than twice its length, hoary beneath, tapering from the base to the tip, clothed with whitish hairs, which decrease in length from the base to the tip; each side adorned with a tawny stripe, which changes to white on the sixth segment; seventh and eighth segments silvery: first and second segments very short; second segment arched, beset with black bristles on each side; third and following segments long, successively, but slightly decreasing in length; sexual parts shining, very large: legs black, clothed with black hairs, beset with black spines; foot-cushions dark tawny: wings brown, darker towards the base; wing-ribs and veins black; poisers tawny. *Fem.*—Abdomen much more than twice the length of the chest, compressed and very slender for one-third of its length from the tip; side stripes hoary along the whole length. Length of the body 9—11 lines; of the wings 12—14 lines.

a. Jamaica. From Mr. Gosse's collection.

Asilus Marcinus, n. s., fem. *Ferrugineus, thoracis vittis tribus piceis, abdomine nigro cinereo-bivittato, apice compresso tenui, segmentorum marginibus posticis ferrugineis, antennis pedibusque nigris, alis fuscis.*

Head black, as broad as the chest, covered with dark tawny down, clothed with black hairs on the crown, behind and beneath, beset behind the eyes with black bristles; clypeus very prominent,

thickly beset with black bristles: eyes bronze; fore part nearly flat, its facets much larger than those of the other part: lip black, clothed at the tip with short pale yellow hairs; palpi black, beset with long black hairs: feelers black; first and second joints clothed with short black hairs; second joint not half the length of the first: chest ferruginous, clothed with black hairs, beset on each side and behind with black bristles, adorned with three broad piceous stripes: breast grayish ferruginous: abdomen black, much more than twice the length of the chest, thinly clothed with black hairs, tapering from the base to rather more than two-thirds of the length, thence to the tip compressed and very slender; a hoary stripe on each side; hind borders of the segments dark ferruginous; first and second segments short; hind border of the second segment pale tawny; third and following segments long, but successively decreasing in length: legs black, clothed with black hairs, beset with black spines; shanks and feet covered beneath with dark ferruginous down; claws dark ferruginous at the base; foot-cushions pale tawny: wings brown; wing-ribs and veins black; poisers ferruginous. Length of the body 10 lines; of the wings 14 lines.

a. ———?

Asilus Halœsus, n. s., mas. *Fuscus, thorace fulvo vittis quatuor fuscis, pectore abdominis segmentorum marginibus posticis ventreque cinereis, apice albo, antennis nigris, pedibus rufis, nigro variis, alis subfulvis.*

Body brown: head nearly as broad as the chest, covered with tawny down, clothed behind and beneath with whitish hairs; crown beset with a few whitish hairs on each side; clypeus prominent, thickly armed with black bristles and whitish hairs: eyes dark bronze; fore part slightly convex, its facets larger than those of the other part: lip black, clothed at the tip with short tawny hairs; palpi black, clothed with white hairs: feelers black; first and second joints beset with short stout black hairs; second joint about half the length of the first; third joint spindle-shaped, as long as the first; bristle about twice the length of the third joint: chest dark tawny, clothed with short black hairs, beset on each side and behind with some black bristles, adorned with four dark brown stripes, of which the side pair are shorter and broader than the middle pair, and are each interrupted by two short oblique bands: breast gray: abdomen brown, much narrower than the chest, and more than twice its length, slightly tapering from the base to the tip, clothed with hoary hairs, which are most frequent at the base; sides and hind borders of the segments and the whole of the underside hoary; two last segments white; sexual parts large, piceous,

shining: legs red, clothed with whitish hairs, and armed with black spines; hips gray; thighs partly, knees, feet, and tips of shanks black; claws black, red at the base; foot-cushions tawny: wings with a slight tawny tinge; wing-ribs ferruginous; veins black, piceous towards the base; poisers tawny. Length of the body 8 lines; of the wings 11 lines.

a. Jamaica.

ASILUS Amphissa, n. s., mas. et fem. *Fuscus, thorace fulvo vittis tribus fuscis, metathorace pectoreque canis,* mari. *abdomine cinereo, vittâ postica fulva, apice nigro,* fem. *abdomine fulvo, antennis pedibusque nigris, alis subfuscis apice obscurioribus.*

Body brown: head as broad as the crown, clothed with tawny down, beset with black bristles behind, and clothed there and beneath with very pale yellow hairs; crown covered with brownish tawny down, and furnished with some black hairs; clypeus armed with long black bristles behind, and with long bright yellow bristles in front: eyes black; fore part flat, distinct from the other part, and composed of much larger facets: lip black, shining, clothed at the base with long, and at the tip with very short yellow hairs: feelers black; first and second joints beset with short black bristles; second joint about half the length of the first; third joint tapering from the base to the tip, a little longer than the first; fourth and fifth joints like a bristle, much longer than the third: chest dark tawny, furnished with three rows of black hairs, beset on each side and behind with black bristles, adorned with three broad brown stripes, of which the side pair are short and irregular, the middle one includes a paler stripe, and is joined by two oblique bands with the side stripes; sides, hind chest and breast hoary, the latter clothed with white hairs: abdomen gray, clothed with white hairs, decreasing in breadth from the base to the tip, much narrower than the chest and about twice its length; third, fourth, and fifth segments long, successively decreasing in length; sixth, seventh, and eighth segments tawny, much shorter; ninth segment large, smooth, shining, black, covered with some black hairs, ferruginous at the base and beneath: legs black, clothed with short yellow hairs; hips gray, clothed with white hairs; thighs rather thick; fore thighs beset with black bristles; hind thighs beset with black spines; middle thighs armed with some stouter black spines; shanks ferruginous, with black tips, each with a black stripe, which is smallest on the fore shanks; fore and middle feet ferruginous at the base; claws black; foot-cushions yellow: wings light brown, darker at the tips; wing-ribs ferruginous; veins black, piceous towards the base; poisers tawny. *Female.*—Abdomen dark tawny, with a gray bloom, more than twice

the length of the chest; hind borders of the segments tawny, and clothed with hoary hairs; under-side hoary; segments from the third to the eighth successively decreasing in length; ninth segment long, slender, black, shining, forming a short tail. Length of the body 7—8 lines; of the wings 12 lines.

a. Brazil.

Asilus Turinus, n. s., mas. et fem. *Ferrugineus, thorace piceo quadrivittato, abdomine fusco,* fem. *cano apice compresso nigro nitente, antennis nigris, pedibus fulvis nigro variis, alis limpidis apice cinereis.*

Male.—Body brown: head much narrower than the chest, covered with yellow down, clothed thinly behind and thickly beneath with long pale yellow hairs, beset behind the eyes with a row of stout black bristles; crown pale brown, beset on each side with black bristles; clypeus prominent, armed with long yellow bristles, and in front with a few more slender black bristles: eyes dark green; fore part convex, its facets larger than those of the other part: lip black, clothed at the tip with short pale yellow hairs; palpi black, clothed with long yellow hairs: feelers black; first and second joints covered with a brown bloom, beset with short black bristles; second joint much shorter than the first: chest light ferruginous, clothed with very short black hairs, beset on each side and behind with black bristles, adorned with four piceous stripes, the middle pair straight and narrow, the side pair broader, and each of them interrupted by two oblique brown bands; scutcheon, hind chest, and breast hoary, partly clothed with whitish hairs: abdomen narrower than the chest, and rather more than twice its length, tapering from the base to the tip, thinly clothed with short pale yellow hairs; hind borders and sides of the segments tawny; first and second segments very short; second segment arched, clothed on each side with some long pale yellow hairs, and armed there with three white spines; third and following segments long, successively decreasing in length to the tip; third segment dotted with three cross rows of punctures, armed on each side with two white spines about the middle, and with two more on the hind borders; fourth and fifth segments armed with two white spines on each side of their hind borders; sixth and following segments brown; each side of the sixth segment armed with one white spine; under-side gray: legs dark tawny, clothed with short pale yellow hairs, armed with black spines; thighs and tips of shanks black on the outer side; under-side of the shanks and of the feet covered with tawny down: feet black, tawny towards the base: foot-cushions pale ferruginous; a black streak on each shank: wings colourless, gray towards the tips; wing-ribs piceous; veins

black; poisers yellow. *Fem.*—Abdomen hoary along each side and on the hind borders of the segments, black and shining at the tip, which is pointed and compressed: legs black; shanks sometimes very dark ferruginous till near the tips: wings reaching when closed a little beyond the tip of the abdomen. Length of the body 10—11 lines; ofthe wings 15—16 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

Asilus Antidomus, n. s., mas. *Niger, abdomine fulvo, antennis pedibusque nigris, tibiis ferrugineis, alis fuscis.*

Body stout, black: head narrower than the chest, thickly clothed beneath with white hairs, beset behind the eyes with a row of black bristles; sides of the crown and front covered with some black hairs; front and clypeus ferruginous; clypeus thickly beset with black bristles, and having also in the front some more slender white bristles: eyes dark bronze, rather large, fore part nearly flat, its facets but little larger than those elsewhere on the eye: lip black, very stout, thickly clothed with hairs, which are long and white towards its base, but short and tawny towards its tip: first and second joints of the feelers black, clothed with short black bristles; second joint about half the length of the first: chest and breast deep velvet-like black, partly clothed with short black hairs; sides and hind part of the chest beset with some black bristles: abdomen tawny, and clothed with tawny hairs, much narrower than the chest, and less than twice its length, becoming much narrower at one half of its length, and thence tapering slightly to the tip; sides of the segments thickly clothed with long hairs from the first to the fourth, but thinly clothed with short hairs from thence to the tip: first and second segments short; third segment long; fourth segment a little shorter and narrower than the third; fifth segment much narrower and a little shorter than the fourth; sixth segment shorter and narrower than the fifth; seventh segment nearly as long and as broad as the sixth; eighth segment a little longer and narrower than the seventh; ninth segment very short: appendages large, piceous, shining: legs black, clothed with short black hairs; shanks dark ferruginous; claws black; foot-cushions piceous: wings dark brown; wing-ribs piceous; veins black; poisers piceous. Length of the body 14 lines; of the wings 22 lines.

a. Brazil.

Var. *β.*? Lip partly red; palpi red, clothed with very pale yellow hairs, and beset with black bristles: first and second joints of the feelers red; third joint piceous, spindle-shaped, nearly as long as the first; bristle black, nearly twice the length of the first joint:

chest brown, dark tawny on each side, and indistinctly striped with the same colour: scutcheon beset with some tawny bristles; breast tinged with gray, partly clothed with tawny hairs: abdomen tawny, red towards the tip, which is dark red, tapering from the base to half its length, linear thence to the tip, narrower than the chest, and nearly twice its length, bronze on the disk towards the base; segments from the second to the fifth thickly clothed with yellow hairs on each side.

a. ——— ?

Group VIII. Protacanthus, *Macquart.*

Asilus rufiventris. Protacanthus rufiventris, *Macq. Dipt. Exot.* i. 2, 123, 5, *pl.* 10, *f.* 2.
a. Honduras. From Mr. Miller's collection.

Asilus Coprates, n. s., mas. *Niger, thorace cinereo vittis quinque fuscis, pectore cano, abdomine rufo pilis flavis vestito, pedibus rufis, alis limpidis apice fulvis.*

Body black: head nearly as broad as the chest, covered with pale yellow down, clothed behind the head with yellow hairs and black bristles, more thickly clothed beneath with long whitish hairs; crown beset with some yellow hairs; front and clypeus ferruginous; front clothed with long pale yellow hairs; clypeus armed with long pale bristles: eyes large, black; fore part slightly convex, its facets rather larger than those of the other part: lip black, clothed at the tip with short tawny hairs: palpi black, clothed with long black bristles: chest gray, clothed with very short black hairs, beset on each side and behind with black bristles, adorned with five pale indistinct brown stripes; scutcheon beset with yellow and black bristles: breast hoary, partly clothed with pale yellow hairs: abdomen red, tapering from the base to the tip, a little narrower than the chest and nearly twice its length, clothed with yellow hairs, which are long and thick towards the base, but short and thin elsewhere; first and second segments black, very short; second segment arched, with a tuft of yellow bristles on each side; third and following segments long, but successively decreasing in length; sexual parts red, of moderate size: legs dark red, clothed with short black hairs armed with black spines; hips gray, clothed with whitish hairs; shanks darker towards the tip; knees and claws black; foot-cushions tawny; shanks towards the tips and feet at the base covered beneath with tawny down: wings colourless, tawny towards

the tips; wing-ribs ferruginous; veins black; poisers tawny. Length of the body 11 lines; of the wings 18 lines.

a. ——— ? From Mr. Children's collection.

Group IX.

Asilus Herminius, n. s., fem. *Ferrugineus, abdominis segmentorum marginibus posticis fulvis apice piceo, antennis nigris, pedibus fulvis, femoribus anterioribus ferrugineis nigro vittatis, alis fulvis apice fuscis.*

Body ferruginous: head much narrower than the chest, clothed behind and beneath with yellow hairs, beset behind the eyes with tawny bristles; front and clypeus adorned with golden down; clypeus armed with a thick cluster of yellow bristles: eyes black, rather small; fore part convex, its facets not larger than those of the other part: lip black, shining, clothed at the tip with short tawny hairs; tongue yellow; palpi black, beset with black hairs: feelers black; first and second joints red, beset with some short black hairs; second joint slightly club-shaped, a little more than half the length of the first; third joint very long, slender, slightly tapering from the base to the tip, more than twice the length of the first and of the second; fourth and fifth joints like a short spine, which is about one-fifth of the length of the third: chest thinly clothed with very short black hairs, beset on each side and behind with a few black bristles: breast clothed here and there with tawny hairs: abdomen thrice the length of the chest, slender, very slightly tapering from the base to the tip, thinly clothed with very short black hairs, shining towards the tip, which is piceous; hind border of every segment tawny, and especially so on each side; first and second segments very short; third and following segments long, but successively, though slightly decreasing in length: legs tawny, thickly clothed with tawny down, armed with a few black spines; feet thickly armed beneath with short black spines, and at the tips with two long curved spines; claws black, tawny at the base; foot-cushions tawny; four front thighs ferruginous, striped with black: wings deep tawny, brown towards the tips and along the hind borders, reaching when closed, nearly to two-thirds of the length of the abdomen; borders of the veins paler; wing-ribs and veins ferruginous, the latter piceous towards the tips; poisers yellow. Length of the body 14 lines; of the wings 17 lines.

a. Massachusetts. From Prof. Sheppard's collection.

Group X. Lophonotus, *Macquart.*

Asilus Androclea, n. s., mas. *Fuscus, abdominis apice nigro, segmentorum marginibus posticis basi canis apice fulvis, antennis nigris, pedibus piceis, tibiis ferrugineis basi fulvis, tarsis obscure ferrugineis apice piceis, alis subcinereis.*

Body dark brown, stout, very hairy; head nearly as broad as the chest, thickly clothed beneath with white hairs, furnished on the crown with some black hairs, and behind with some black bristles; front thickly clothed with long black hairs; clypeus thickly beset with long white hairs: eyes dark bronze; fore part flat, distinct from the other part, and with rather larger facets: lip and palpi black, the latter beset with black bristles: first and second joints of the feelers black, thickly beset with black bristles; second joint cup-shaped, about half the length of the first: chest clothed with black hairs and bristles; sides paler; breast still paler, and thinly covered with tawny hairs: abdomen tapering from the base to the tip, much narrower and longer than the chest, but not twice its length, clothed at the base with long hoary hairs, beyond with tawny hairs, and at the black tip with black hairs; the sides and hind borders of the segments are hoary at the base of the abdomen, but become tawny towards the tip; segments from the third successively decreasing in length: legs piceous, very hairy; hips clothed with long hoary hairs; thighs clothed with tawny hairs and beset with black spines; shanks dark ferruginous, pale tawny at the base, clothed with short and with very long tawny and whitish hairs, the long hairs are most abundant; the shanks are also beset with some black hairs and long black bristles; feet dark ferruginous, with piceous tips, beset with white hairs and black bristles; claws black; foot-cushions dull tawny: wings tinged with gray, almost colourless towards the base; wing-ribs ferruginous; veins black, piceous towards the base; poisers tawny. Length of the body 8 lines; of the wings 12 lines.

a. South Africa. Presented by Dr. A. Smith.

Asilus pellitus, *Wied. Zool. Mag*, iii. 34, 49. *Dipt. Exot.* i. 188, 10. *Auss. Zweif.* i. 440, 23.
a. South Africa.

Asilus suillus, *Wied. Dipt. Exot.* i. 189, 11. *Auss. Zweif.* i. 441, 24. Dasypogon suillus, *Fabr. Syst. Antl.* 168, 19.
a. South Africa.

Asilus molitor, *Wied. Auss. Zweif.* i. 450, 38.
a. South Africa.

Asilus Ladon, n. s., fem. *Fuscus, thoracis vittis tribus pectoreque cinereis, abdomine subcompresso dorso carinato, antennis pedibusque nigris, alis subfulvis.*

Body brown: head much narrower than the chest, covered with white down, clothed behind and beneath with white hairs, beset behind the eyes with a row of black bristles; sides of the crown and tubercle of the eyelets covered with black hairs; sides of the crown, front, and clypeus covered with tawny down; clypeus thickly beset with white bristles, and also armed with a few black hairs and bristles: eyes reddish bronze; fore part flat, its facets much larger than those of the other part: lip black, clothed at the tip with short pale yellow hairs: feelers black; first and second joints clothed with pale yellow hairs; first joint armed with long black bristles; second joint club-shaped, much shorter than the first; third joint spindle-shaped, rather slender, a little shorter than the first and the second; fifth joint stout, and not like a bristle, tapering from the base to the tip, nearly half the length of the third: chest thickly clothed with long and slender black hairs, beset on each side and behind with white bristles, adorned with three indistinct gray stripes; sides and breast also gray, partly clothed with tawny hairs; fore chest short, clothed with tawny hairs and with a row of black bristles: abdomen slightly compressed, keeled along the back, tapering from the base to the tip, narrower than the chest, and much less than twice its length, covered with dull tawny down; hind borders of the segments beset with long pale yellow bristles; first and second segments very short; third and following segments long, successively decreasing in length; tip shining, piceous: legs black, clothed with short whitish hairs and with white spines, and also armed with black spines; claws tawny towards the base; foot-cushions tawny: wings with a slight tawny tinge, reaching, when closed, to the tip of the abdomen: wing-ribs and veins piceous, the latter black towards the tips; poisers yellow. Length of the body 7 lines; of the wings 11 lines.

a. ——— ?

Asilus Phœax, n. s. *Fuscus, capite aureo piloso, thorace nigrofusco maculato et univittato, abdominis apice nigro, antennis nigris, pedibus fuscis, alis subfuscis.*

Body brown: head a little narrower than the chest, clothed with tawny hairs; crown beset with a few black hairs; clypeus and each side of the fore part most thickly covered with pale golden hairs: eyes black; fore part nearly flat, its facets not much larger than those of the other part, from which it is hardly distinct: lip black, shining, clothed at the base with long, and at the tip with

short yellow hairs: feelers black; first and second joints beset with black bristles; second joint hardly shorter than the first; third joint spindle-shaped, as long as the first and the second; fourth and fifth joints like a spine, about half the length of the third: chest varied with dark brown, which forms a stripe in the middle and some streaks and marks on each side, clothed with short black hairs; sides and hind part armed with tawny bristles, the latter also beset with some long black hairs; breast clothed with tawny hairs: abdomen tapering from the base to the tip, clothed with pale tawny hairs, much narrower than the chest, and nearly twice its length; hind borders of the segments paler; segments from the third to the sixth successively, but slightly decreasing in length; seventh segment much shorter; eighth segment a little longer; ninth segment much longer, black, shining: legs brown, clothed with yellow hairs and beset with tawny bristles; feet and tips of shanks with some short black bristles; claws black; foot-cushions brown; hind thighs armed beneath with black spines: wings very light brown; wing-ribs piceous; veins black, piceous at the base; poisers brown. Length of the body 10 lines; of the wings 14 lines.

a. South Africa. Presented by Dr. A. Smith.

Asilus cristatus, *Hoffmansegg*, *Meig. Dipt.* ii. 322, 24. *Loew*, *Linn. Ent.* iii. 424, 1.

a. England.

b. South of France. Presented by the Entomological Club.

Group XI.

The subdivision required by this group is deferred until Professor Loew's descriptions of the European Asili are completed.

Asilus plicatus, *Leach, MSS. Wied. Auss. Zweif.* ii. 643, 61, fem. *Cinereo-fulvus, pilis canis vestitus, thorace vittis quatuor cinereis, pedibus rufis, femoribus basi tibiis apice tarsisque rufis, alis subfuscis.*

Body pale grayish tawny: head narrower than the chest, thickly clothed, and especially on the under-side, with hoary hairs, beset behind the eyes with a few black bristles; tubercle of the eyelets and each side of the crown beset with black bristles; clypeus thickly armed with black bristles behind, and with much longer pale yellow bristles in front: eyes bronze-black; fore part flat, its facets rather large, but decreasing in size, and rather blending with those of the other part, from which, however, they are tolerably distinct: lip black, short, stout, clothed at the tip with short pale yellow hairs:

feelers black; first and second joints linear, beset with black bristles; second joint narrower than the first, and about half its length; third joint spindle-shaped, clothed with a few black hairs, nearly as long as the first; fourth joint or bristle longer than the first: chest and breast ferruginous, covered with hoary bloom: chest with four gray stripes, the middle pair narrow and straight; the outer pair shorter and broader, and each divided by an oblique ferruginous band along the suture; the fore border and the sides are clothed with hoary hairs, and the latter are beset with a few black bristles: breast more thickly clothed with hoary hairs: abdomen convex, tapering from the base to the tip, much narrower than the chest, and about twice its length, clothed with hairs which are short on the back, but longer on each side; under-side hoary and clothed with hoary hairs; first segment extremely short; second segment short; third segment long; fourth and following segments to the ninth successively, but hardly perceptibly decreasing in length; eighth and ninth segments black; eighth segment beset with some black bristles; ninth segment shining: legs red; hips and trochanters black, clothed with long hoary hairs; thighs black at the base, clothed with hoary hairs, and armed with black spines; shanks black at the tips, clothed with short hoary hairs, beset with black spines; feet black, clothed with black hairs, and thickly armed with black spines; claws black, red at the base; foot-cushions pale tawny: wings light brown, gray along the fore border from the middle to the tip; wing-ribs and veins ferruginous; poisers tawny. Length of the body 15—18 lines; of the wings 26—28 lines.

a. New Holland. Presented by the Linnean Society.
b. New Holland. Presented by J. Hunter, Esq.
c. New Holland. Presented by the Earl of Derby.
d. ——— ?

The wings of the male are widened by means of the fore border, which is convex beyond the middle.

Asilus heros, *Wied. Auss. Zweif.* i. 427, 4.
a. Georgia ?

Asilus Antiorus, n. s., mas. *Cinereo-fulvus, thoracis vittis quatuor fuscis, abdomine fusco, antennis nigris, pedibus rufis, femoribus piceis, alis fulvis.*

Head much narrower than the chest, covered with dull yellowish white down, clothed behind and beneath with long white hairs, beset behind the eyes with a row of black bristles; crown brown, its sides clothed with long yellow hairs and beset with black bristles

tubercle of the eyelets armed with black bristles; front and clypeus thickly clothed with long pale yellow hairs; clypeus prominent, armed also with long black and pale yellow bristles: eyes black; fore part slightly convex, its facets larger than those of the other part: lip black, clothed at the tip with short tawny hairs; palpi black, clothed with long whitish hairs: feelers black; first and second joints beset with short black bristles; first joint also clothed with short whitish hairs; second joint about half the length of the first; third joint spindle-shaped, longer than the first; bristle nearly twice the length of the third joint: chest and breast grayish tawny: chest clothed with very short black hairs, beset on each side and behind with black bristles, tawny on the disk, adorned with four brown stripes; middle pair of stripes narrow, linear; side pair broader, irregular, interrupted: sides of the chest and hind chest with a hoary tinge: abdomen brown, narrower than the chest, and more than twice its length, tapering from the base to the tip, clothed with short tawny hairs, which on each side towards the base are replaced by longer and more numerous hairs; first and second segments very short; second segment arched, armed on each side with black bristles; third and following segments long, successively decreasing in length, clothed on the hind borders with short black hairs; sexual parts dark red, shining: legs dark red, clothed with short tawny hairs, armed with black spines; hips and thighs piceous, the former, and especially the fore pair, clothed with tawny hairs; claws black; foot-cushions dark tawny: wings dark tawny; disks of the areolets almost colourless; wing-ribs, veins and poisers piceous. Length of the body 16—17 lines; of the wings 24—25 lines.

a. ——— ?

Asilus Corymeta, n. s., mas. et fem. Mas. *Fuscus, thoracis vittis tribus pallidioribus, pectore cinereo, abdominis apice ferrugineo, antennis nigris apice piceis, pedibus rufis, femoribus piceis, alis fusco-fulvis.* Fem. *Thoracis vittis ferrugineis, abdominis apice nigro nitente.*

Male.—Head narrower than the chest, covered with pale yellow down, thickly clothed behind and beneath with pale yellow hairs, beset behind the eyes with a row of black bristles; tubercle of the eyelets armed with a cluster of black bristles; crown pale brown, clothed on each side with pale yellow hairs and black bristles; clypeus prominent, very thickly beset with pale yellow bristles, and also armed with two or three black bristles in the front: eyes dark bronze; fore part flat, very distinct from the other part, and composed of much larger facets: lip black, clothed at the tip with short tawny hairs; palpi black, beset with long pale yellow hairs: first and

second joints of the feelers black, beset with short black bristles; second joint nearly half the length of the first; third joint spindle-shaped, piceous, a little shorter than the first; bristle twice the length of the third joint: fore chest dark tawny, clothed with long whitish hairs, armed with a row of black bristles: chest dark brown, clothed with very short black hairs, beset on each side, and especially behind, with black bristles, clothed also on the hind part with some whitish hairs, adorned with three narrow pale brown stripes; sides pale brown: hind chest and breast tinged with gray: abdomen brown, narrower than the chest, and much more than twice its length, tapering from the base to the tip, ferruginous towards the tip, clothed with short tawny hairs, but towards the base with longer and paler hairs; first and second segments very short; second segment arched, beset like the third with black bristles on each side; third and following segments long: legs dark red, clothed with short black hairs, armed with black spines; hips clothed with long pale yellow hairs; thighs piceous; claws black; foot-cushions tawny: wings brownish tawny; wing-ribs ferruginous; veins piceous; poisers dark tawny. *Fem.*—Clypeus armed with several black bristles: stripes and sides of the chest ferruginous: abdomen black, shining, and cylindrical towards the tip, which is armed with a circlet of short black spines. Length of the body 14—15 lines; of the wings 22 lines.

a. ——— ?

Asilus Daraps, n. s. *Ferrugineus, thorace nigro quadrivittato, abdomine fulvo, antennis pedibusque ferrugineis, alis subfulvis.*

Head piceous, clothed behind and more thickly beneath with white hairs; crown rather thickly clothed on each side with black hairs; front and clypeus covered with hoary down, the former with a narrow yellow stripe on each side, the latter prominent, and beset with black bristles: eyes dark bronze; fore part flat, composed of rather large facets: lip black, ferruginous, and clothed with tawny hairs at the tip; palpi tawny, and clothed with long white hairs: feelers ferruginous, first and second joints covered with a pale yellow bloom, and beset with some short black bristles; second joint about half the length of the first; third joint spindle-shaped, longer than the first and the second; bristle black, longer than the third joint: ridge of the neck beset with black bristles: chest ferruginous, covered with a few short black hairs, beset on each side and behind with black bristles, adorned with four broad black stripes; the middle pair widened in front; the side pair short, and interrupted by two oblique bands; scutcheon beset with some pale yellow bristles: breast dull ferruginous, piceous about the hips, thinly clothed

with black hairs: abdomen dull tawny, clothed on each side towards the base with yellow hairs, tapering from the base to the tip, narrower than the chest and full twice its length; first and second segments short; third and following segments long, successively, but very slightly decreasing in length; under-side gray: legs ferruginous, clothed with black hairs and bristles; feet darker; claws black, ferruginous at the base; foot-cushions brown: wings with a slight tawny tinge; wing-ribs dark ferruginous; veins piceous; poisers piceous. Length of the body 15 lines; of the wings 25 lines.

a. Brazil.

ASILUS Hagno, n. s., mas. *Ferrugineus, thorace nigro quadrivittato, abdomine fusco, antennis ferrugineis, pedibus piceis, alis fuscis.*

Head narrower than the chest, covered with pale tawny down, clothed behind and beneath with pale tawny hairs, beset behind the eyes with black bristles; crown piceous, beset with black hairs on each side; front covered with long black hairs; clypeus prominent, clothed with long black and long pale yellow hairs: eyes dark bronze; fore part flat, with large facets; lip black, clothed at the tip with short tawny hairs; palpi clothed with long pale yellow hairs: feelers dull ferruginous; first and second joints of equal length, beset with short black bristles; third joint spindle-shaped, as long as the first; bristle black, twice the length of the third joint; chest dull ferruginous, thinly clothed with short black hairs, beset on each side and behind with black bristles, adorned with four very broad black stripes, which occupy nearly the whole back; each of the side stripes interrupted by an oblique band; scutcheon clothed with a few long pale yellow hairs: abdomen brown, clothed on each side towards the base with tawny hairs, gray beneath, tapering from the base to the tip, which is black and shining, narrower than the chest, and rather less than twice its length; first and second segments short; third and following segments long: legs piceous, clothed with black hairs and bristles; claws black; foot-cushions piceous: wings brown; wing-ribs and poisers piceous; veins black. Length of the body 13 lines; of the wings 22 lines.

a. Brazil.

ASILUS Eanes, n. s. *Cinereo-ferrugineus, abdomine cinereo, pectore pilis fulvis vestito, antennis nigris, articulo 2° ferrugineo, pedibus rufis, alis subfuscis.*

Head a very little narrower than the chest, covered with hoary down, beset behind the eyes with black bristles, clothed beneath with white hairs; crown piceous, beset on each side with black

hairs; clypeus prominent, armed behind with black bristles, and in front with longer and more slender pale yellow bristles: eyes dark bronze; fore part nearly flat, its facets rather larger than those of the other part; lip black, long, clothed at the tip with short tawny hairs; palpi black, clothed with tawny hairs: feelers black; first and second joints beset with short black bristles; second joint ferruginous, about half the length of the first; third joint spindle-shaped, ferruginous at the base, nearly as long as the first; bristle full twice the length of the third joint: chest dull grayish ferruginous, clothed with short black hairs, beset on each side and behind with black bristles: breast gray: abdomen gray, convex, clothed with tawny down, tapering from the base to the tip, narrower than the chest, and full twice its length; first and second segments short; third and following segments long, but successively decreasing in length: legs red, thinly clothed with tawny and black hairs, and armed with black spines; feet darker towards the tips; claws black; foot-cushions tawny; a black stripe along each of the hind thighs: wings pale brown; wing-ribs piceous; veins black; poisers tawny. Length of the body 13 lines; of the wings 21 lines.

a. ——— ?

Asilus Malleolus, n. s., mas. *Fuscus, thoracis vittis ferrugineis tribus et cinereis quatuor, pectore cano, antennis nigris, pedibus rufis, tibiis apice tarsisque nigris, alis flavo-fuscis.*

Head large, a little narrower than the chest, covered with yellow down, thickly clothed behind and beneath with pale yellow hairs, beset behind the eyes with a row of black bristles; crown on each side and tubercle of the eyelets beset with black hairs; clypeus very prominent, thickly armed with long pale yellow bristles, and furnished with some black hairs behind, and with a few black bristles in front: eyes large, bronze; fore part nearly flat, its facets larger than those of the other part: lip black, clothed at the tip with short tawny hairs; palpi black, clothed with long black hairs: feelers black; first and second joints beset with short black hairs; second joint club-shaped, a little more than half the length of the first: chest brown, broad, thinly clothed with short black hairs, beset on each side and behind with black bristles, adorned with three ferruginous, and with four gray stripes; hind part of the chest and breast hoary: abdomen brown, narrower than the chest, and less than twice its length, tapering from the base to the tip, thickly clothed with long tawny hairs; first and second segments very short; second segment arched, armed on each side with some black bristles; third and following segments long, successively decreasing in length; sexual parts black, shining: legs dark

red, clothed with short yellow hairs, armed with black spines; hips black, clothed with long pale yellow hairs; trochanters, knees, feet and tips of shanks black; foot-cushions tawny: wings yellowish brown; wing-ribs piceous; veins ferruginous; poisers tawny.

Var. β. Body black, covered with white shining down, clothed behind and beneath with white hairs; clypeus armed with a very thick tuft of long white bristles; third joint of the feelers tapering from the base to the tip, nearly as long as the first and the second; bristle longer than the third joint: chest gray, thinly clothed with short black hairs, beset on each side and behind with a few black spines, partly clothed with white hairs: abdomen gray, about twice the length of the chest, hoary; thighs covered with whitish hairs; feet piceous: wings tawny, nearly colourless at the tips; veins black. Length of the body 13 lines; of the wings 24 lines.

a. ——— ?

Asilus Pelago, n. s., mas. et fem. *Piceus, capite nigro, thoracis vittis quatuor nigris, antennis nigris, articulo 3º ferrugineo, pedibus nigris, tibiis basi fulvis, alis nigro-fuscis.*

Body piceous: head black, a little narrower than the chest, clothed behind and beneath with white hairs, furnished with black hairs on the crown, beset behind the eyes with a row of black bristles; clypeus armed with a very few long black hairs behind, and with a thick tuft of pale yellow hairs in front: eyes black; fore part flat, its facets larger than those of the other part: lip black, shining, clothed at the tip with short tawny hairs: feelers black; first and second joints beset with short black bristles; second joint a little shorter than the first; third joint dark ferruginous, spindle-shaped, a little shorter than the first and the second; fourth and fifth joints like a bristle, shorter than the third: chest piceous, clothed with short black hairs, beset on each side and behind with black bristles, adorned with four black stripes; middle pair of stripes narrow and linear, side pair shorter and broader; breast rather paler, clothed with white hairs; abdomen flat, red, tapering from the base to the tip, clothed with pale yellow hairs, narrower than the chest, and a little more than twice its length; first and second segments very short, more or less black; third and following segments long, successively, but slightly decreasing in length; eighth and ninth segments black; ninth segment slender, a little longer than the eighth: legs black, clothed with yellow hairs and beset with black bristles; shanks tawny from the base to the middle; claws black; foot-cushions tawny: wings very dark brown; borders of some of the veins paler; wing-

ribs and veins black; poisers piceous. Length of the body 9—10 lines; of the wings 16—20 lines.

a. Swan River. Presented by Sir J. Richardson.
b. Swan River.
c. New Holland. Presented by the Haslar Hospital.
d. Swan River. From Mr. Turner's collection.
e. West Australia. From Mr. Clifton's collection.

Asilus vetustus, *Walker*, *Linn. Trans.* xvii. 340, 23.
a. Gorrite. Presented by the Entomological Club.

Asilus macrotelus, *Walker*, *Linn. Trans.* xvii. 340, 24.
a. Gorrite. Presented by the Entomological Club.

Asilus Gobares, n. s., fem. *Cinereus, antennis nigris, pedibus cinereis, femoribus tibiisque subtus ferrugineis, alis subfulvis apice fuscis.*

Body gray: head narrower than the chest, thickly clothed behind and beneath with tawny hairs, furnished with black hairs on each side of the crown; front beset with yellow hairs; clypeus armed with eight long black spines: eyes dark bronze; fore part slightly convex, its facets a little larger than those of the other part: lip black, clothed at the tip with short tawny hairs; palpi black, clothed with long black hairs: feelers black; first and second joints clothed with black hairs; second joint club-shaped, much shorter than the first; third joint spindle-shaped, rather shorter than the first and the second; fourth and fifth joints like a slender bristle, about twice the length of the third: chest and breast thinly clothed with a few tawny hairs; the former beset on each side and behind with some long black bristles: abdomen narrower than the chest, and more than twice its length, tapering from the base to the tip, thinly clothed with short hoary hairs; first and second segments short; third and following segments long, but successively decreasing in length to the tip: legs gray, clothed with very short hoary hairs, beset with black spines; thighs and shanks ferruginous beneath; claws black; foot-cushions pale ferruginous: wings slightly tawny, brown towards the tips, reaching when closed a little beyond three-fourths of the length of the abdomen; wing-ribs piceous; veins black, piceous towards the base; poisers tawny. Length of the body 13 lines; of the wings 18 lines.

a. Silhet. From the Rev. J. Stainforth's collection.

ASILUS Icadius, n. s., fem. *Fuscus, thoracis vittis tribus pallidioribus, pectore thoracisque lateribus ventreque cinereo-fulvis, abdominis segmentorum marginibus posticis cinereis, antennis nigris, pedibus rufis, femoribus supra nigris, alis subfuscis.*

Head small, much narrower than the chest, covered with yellowish white down, clothed behind and more thickly beneath with whitish hairs, beset behind the eyes with a row of black bristles; sides of the crown covered with dark tawny down and beset with black bristles; tubercle of the eyelets beset with a cluster of black bristles; clypeus very prominent, thickly armed with long whitish bristles, and in front with a few black bristles: eyes very dark bronze; fore part flat, its facets rather larger than those of the other part: lip black, clothed at the tip with short tawny hairs; palpi black, beset with long black hairs: feelers black; first and second joints beset with short black bristles; second joint nearly half the length of the first; third joint spindle-shaped, a little longer than the first; bristle rather stout, as long as the third joint: chest brown, clothed with very short black hairs, beset on each side and behind with black bristles, adorned with three pale brown stripes, ferruginous on each side of the front, hoary behind: breast and sides of the chest tawny, tinged with gray, partly clothed with whitish hairs: abdomen brown, narrower than the chest, and much more than twice its length, tapering from the base to the tip; hind borders of the segments gray; under-side ferruginous, with a hoary bloom; first and second segments very short; third and following segments long; tip piceous, shining, nearly cylindrical, armed with a circlet of short black spines: legs red, clothed with short whitish hairs, armed with black spines; thighs black above; claws black; foot-cushions tawny: wings tinged with brown; wing-ribs ferruginous; veins piceous; poisers tawny. Length of the body 12 lines; of the wings 18 lines.

a. ——— ?

ASILUS Ogulinus, n. s., fem. *Fuscus, thoracis vittis tribus pectoreque pallidioribus, abdominis apice ferrugineo, antennis nigris, pedibus rufis, antennis femoribusque posticis nigris, alis flavo-fuscis.*

Body dark brown: head narrower than the chest, covered with hoary down, clothed behind and beneath with hoary hairs, beset behind the eyes with a row of black and some white bristles; crown covered with dark tawny down, clothed on each side with long yellow hairs, and with a few black hairs; tubercle of the eyelets beset with black bristles; clypeus thickly beset with long pale yellow hairs, and also armed with a few black bristles: eyes very dark bronze; fore part convex, its facets a little larger than those of the other

part: lip black, clothed at the tip with short yellow hairs; palpi black, beset with long black hairs; first and second joints of the feelers black, beset with short black bristles; second joint not half the length of the first: fore chest beset with pale yellow hairs and black bristles: chest clothed with very short black hairs, beset on each side with a few and behind with many bristles, adorned with three paler slender brown stripes; sides and breast pale brown, thinly clothed here and there with hoary hairs: abdomen much narrower than the chest, and much more than twice its length, tapering from the base to the tip, covered with tawny down, clothed with short black and whitish hairs, and with some long hairs on each side of the base; first and second segments very short; third and following segments long, successively decreasing in length; last segments cylindrical, ferruginous, shining; tip armed with a circlet of short black spines: legs dark red, clothed with short whitish hairs, armed with black spines; claws black; foot-cushions tawny; hind thighs black: wings yellowish brown; wing-ribs and veins dark ferruginous; poisers piceous. Length of the body 10½ lines; of the wings 15 lines.

a. ———?

Asilus Gorgasus, n. s., fem. *Fuscus, thoracis vittis tribus pectoreque cinereis, abdominis segmentorum marginibus posticis fulvis, antennis pedibusque nigris, alis subcinereis apice obscurioribus.*

Body dark brown: head much narrower than the chest, covered with hoary down, thickly clothed behind and beneath with golden hairs, beset behind the eyes with a row of black bristles; sides of the crown and tubercle of the eyelets beset with black hairs; front and clypeus covered with tawny down; clypeus thickly beset with long black and pale yellow bristles: eyes dark bronze; fore part slightly convex, its facets larger than those of the other part: lip black, clothed at the tip with short tawny hairs; palpi black, beset with long black hairs: feelers black; first joint beset with long black bristles; second joint with short black bristles; third joint spindle-shaped, slender, a little longer than the first and the second; bristle stout, much shorter than the first joint: chest thinly clothed with short black hairs, beset on each side and behind with black bristles, adorned with three slender gray stripes; sides and breast also gray: abdomen much narrower than the chest, and much less than twice its length, tapering from the base to the tip, clothed with short black hairs; hind borders of the segments tawny; first and second segments very short; third and following segments long, successively decreasing in length; tip black, compressed: legs black, clothed with short tawny hairs, armed with black spines;

claws tawny at the base; foot-cushions dark tawny: wings light gray, darker on the disks of the segments towards the tips; wing-ribs piceous; veins black; poisers tawny. Length of the body 9 lines; of the wings 14 lines.

a. ——— ?

ASILUS inglorius? *Macleay, King, Narr. Surv. Austral.* ii. 467, 182 *Wied. Auss. Zweif.* ii. 644, 63.
a. New Holland. Presented by the Haslar Hospital.

ASILUS Amycla, n. s., fem. *Fulvus, antennis fulvis apice nigris, pedibus rufis, coxis, genubus tarsisque nigris, alis subfulvis*

Head nearly as broad as the chest, thickly clothed behind and beneath with white hairs, beset behind the eyes with tawny bristles; tubercle of the eyelets beset with a few black hairs; clypeus thickly armed with white hairs and bristles; front clothed with white hairs: eyes large, dark bronze; fore part flat, its facets larger than those of the other part: lip black, clothed at the tip with short tawny hairs: first and second joints of the feelers tawny; first joint clothed with short tawny hairs; second joint beset with short black bristles; third joint black, long, tapering from the base to the tip; bristle a little longer than the third joint: chest dull tawny, beset on each side and behind with stout black bristles, clothed behind with a few tawny hairs: breast pale tawny, with a hoary tinge: abdomen narrower than the chest, and nearly twice its length, tapering from the base to the tip, clothed with tawny hairs, tawny with an interrupted black stripe on the back, paler and with a hoary tinge beneath; first and second segments very short; third and following segments long, successively decreasing in length: legs red, clothed with tawny hairs, armed with black spines; hips, knees, and feet black; foot-cushions tawny; shanks and feet covered beneath with thick tawny down: wings slightly tawny; wing-ribs ferruginous; veins piceous; poisers tawny. Length of the body 12 lines; of the wings 22 lines.

a. New Holland. Presented by J. Hunter, Esq.

ASILUS Amythaon, n. s., fem. *Fuscus, capite fulvo, thoracis vittis quatuor nigro-fuscis, pectore cano, abdomine rufo apice nigro, pedibus rufis, tarsis nigris, alis subcinereis.* A. Sydneensis?

Body light brown: head pale tawny, a little narrower than the chest, clothed behind and beneath with white hairs, furnished with some black hairs on the crown, beset behind the eyes with a row of black bristles; clypeus armed behind with long black hairs, and before with longer pale yellow bristles: eyes black; fore part quite flat,

not very distinct from the other part, but its facets are a little larger; lip black, shining, clothed at the base with long pale yellow hairs, at the tip with short yellow hairs; palpi black, clothed with black bristles: feelers black; first and second joints beset with black hairs and bristles; second joint a little shorter than the first; third joint spindle-shaped, a ltttle shorter than the first and the second; fourth and fifth joints like a bristle, rather longer than the third: chest with four dark brown stripes; middle pair the longest and most regular; breast hoary, with a few pale yellow hairs: abdomen flat, red, tapering from the base to the tip, clothed with pale yellow hairs, narrower than the chest and about twice its length; segments from the third to the sixth long, and nearly equal in length; seventh and eighth segments shorter; ninth segment black, shining: legs red, clothed with short whitish hairs, and armed with some black bristles; hips hoary; knees, feet, and claws black; foot-cushions tawny: wings pale gray, darker towards the tips; wing-ribs piceous; veins black; poisers yellow. Length of the body 10—11 lines; of the wings 16—18 lines.

a. New Holland. Presented by J. Hunter, Esq.
b. ——— ?

Asilus Maso, n. s., fem. *Niger, thorace aureo pubescente nigro quadrivittato, scutello metathorace pectoreque canis, abdomine rufo basi cinereo apice nigro, antennis nigris, pedibus rufis, tarsis nigris, alis fulvis.*

Head black, narrower than the chest, covered with pale yellow down, clothed behind and more thickly beneath with pale yellow hairs, beset behind the eyes with a row of black bristles; tubercle of the eyelets and sides of the crown beset with black hairs; clypeus prominent, armed with black hairs and with longer white bristles: eyes dark bronze; fore part nearly flat, its facets larger than those of the other part: lip black, clothed at the tip with short yellow hairs; palpi black, beset with black hairs: feelers black, covered with a gray bloom; first and second joints thickly beset with short stout black hairs; second joint club-shaped, full half the length of the first; third joint slightly tapering from near the base to the tip, a little longer than the first; bristle shorter than the third joint: ridge of the fore chest clothed with long pale yellow hairs, and beset with black bristles: chest covered with golden down, thinly clothed with short black hairs, beset on each side and behind with a few black bristles, adorned with four black stripes; middle stripes narrow, slightly tapering from the fore border till near the hind border, where they unite to finish their course; side stripes shorter and broader, each of them interrupted by two ob-

lique bands, and by one short stripe of golden down: sides of the chest, scutcheon, and hind chest hoary: abdomen red, narrower than the chest and full twice its length, slightly tapering from the base to the tip, thinly clothed with short yellow hairs, which, however, are longer and more numerous towards the sides of the hind borders of the segments; first and second segments gray, very short; second segments arched, clothed with some long whitish hairs, and beset on each side with a few whitish bristles; third and following segments long, successively decreasing in length to the tip, which is black and shining; third segment crossed by two rows of black punctures near the base, which is gray; sutures of the segments black; under-side gray, clothed on each side with a few pale yellow hairs: legs red, clothed with short black and long white hairs, armed with black spines; hips gray; trochanters black; feet black, covered on the under-side like the shanks with tawny down; claws black, red at the base; foot-cushions tawny: wings tawny; wing-ribs and veins piceous; poisers tawny. Length of the body 11 lines; of the wings 20 lines.

a. ———?

Asilus Sydneensis? mas. *Macq. Dipt. Exot.* i. 2, 144, 23.
a. Port Stephen, New Holland. Presented by the Earl of Derby.

Asilus Alcetas, n. s., fem. *Niger, capite flavo pubescente pilisque nonnullis canis et nigris vestito, clypeo setis flavis armato, thorace vittis quinque flavis, pectore flavo pubescente, abdomine pilis flavis vestito, antennis nigris, pedibus rufis, tarsis nigris, alis subfulvis.*

Head a little narrower than the chest, covered with pale yellow down, clothed behind and beneath with long hoary hairs, and beset behind the eyes with a few black bristles; crown clothed with a few black hairs; clypeus beset with a few black hairs behind, and with more and longer pale yellow bristles in front: eyes black; fore part slightly convex, its facets not much larger than those of the other part, from which it is hardly distinguishable: lip black, short, clothed at the tip with yellow hairs: first and second joints of the feelers black, beset with black bristles; second joint much shorter than the first: chest with five dull pale yellow stripes, each stripe beset with black bristles, the side stripes also armed with black spines: breast clothed with pale yellow down: abdomen clothed with pale yellow hairs, tapering from the base to the tip, much narrower than the chest, and rather more than twice its length; first segment very short; second segment short; third segment long; fourth segment a little shorter; fifth segment full as long as

the fourth; sixth segment very nearly as long as the fifth; seventh segment shorter; eighth segment still shorter; ninth segment black, a little longer than the eighth: legs red, clothed with short pale yellow hairs; hips and trochanters black, clothed with long pale yellow hairs; thighs and shanks beset with some black spines; knees and feet black, the latter thickly armed with black spines, and clothed beneath with bright tawny down; claws black; foot-cushions pale tawny: wings with a slight tawny tinge; wing-ribs ferruginous; veins piceous, ferruginous at the base, black towards the tips; poisers tawny. Length of the body 8 lines; of the wings 14 lines.

a. Van Dieman's Land. Presented by R. Butler, Esq.

Asilus Barium, n. s., mas. *Fuscus, thoracis vittis quinque fulvis, metathorace et pectore canis, abdominis segmentorum marginibus posticis fulvis, apice nigro, ventre cinereo, antennis pedibusque fulvis, femoribus et tibiis apice tarsisque nigris, alis limpidis dilatatis, apice cinereis.*

Body brown: head nearly as broad as the chest, covered behind with hoary down, and clothed there and beneath with white hairs; crown and front covered with tawny down; clypeus prominent, armed with long white bristles: eyes bronze; fore part slightly convex, its facets rather larger than those of the other part: lip black, clothed at the tip with short tawny hairs; palpi black, beset with long black hairs: feelers tawny; first and second joints beset with short stout black hairs; second joint much less than half the length of the first; third joint spindle-shaped, much shorter than the first; bristle black, more than twice the length of the first joint: chest dark brown, beset on each side and behind with a few black bristles, adorned with five pale tawny stripes; middle stripe indistinct, except in front; inner-side stripes joined in front to the outer stripes, the latter are connected by three oblique tawny bands with the sides of the chest, which are also pale tawny; breast and hind chest hoary: abdomen brown, thinly clothed with pale yellow hairs, very much narrower than the chest, and about twice its length, slightly tapering from the base to the tip; hind borders of the segments tawny; under-side gray; first and second segments very short; third and following segments long, but successively decreasing in length to the tip, which is black and shining: legs bright tawny, clothed with black and tawny hairs, armed with black spines; hips gray; tips of thighs and of shanks black; feet black, tawny at the base; foot-cushions tawny: wings colourless, gray towards the tips, much widened from the middle to the tips, the fore borders

being very convex; wing-ribs and veins black; poisers tawny. Length of the body 2½ lines; of the wings 14 lines.

a. Ceylon. From the Rev. J. Wenham's collection.

Asilus Baletus, n. s. mas. *Fuscus, thoracis vittis tribus lateribus pectoreque fulvis, abdominis segmentorum marginibus posticis lateribus ventreque fulvis, apice nigro, antennis nigris, pedibus rufis nigro-variis, alis flavo-fuscis.*

Body dark brown: head as broad as the chest, covered with pale yellow down, clothed with a few whitish and black bristles behind, and more thickly beneath with white hairs; crown beset with some black hairs on each side; clypeus rather prominent, thickly beset with long pale yellow bristles, and also armed on the hinder part with a few black bristles: eyes dark bronze; a small surface of the fore part flat, and composed of much larger facets than those of the other part: lip black, clothed at the tip with short yellow hairs; palpi black, clothed with long black hairs: feelers black; first and second joints beset with short black bristles; second joint hardly half the length of the first; third joint spindle-shaped, a little longer than the second; bristle slender, as long as all the preceding joints: chest thickly clothed with black hairs of various length, beset on each side and behind with black bristles, adorned with three tawny stripes; side stripes widened in front and behind, and also connected with the sides of the chest by four oblique tawny bands; fore chest, hind chest, sides of the chest, and breast tawny, the latter with a hoary tinge: abdomen dull tawny, much narrower than the chest, and full twice its length, thinly clothed with whitish hairs; its back brown, with the exception of the sides and of the hind borders of the segments; first and second segments short; third and following segments long, successively decreasing in length to the tip, which is black and shining: legs pale red, clothed with short black hairs, armed with a few black spines; hips tawny; feet black, red at the base; foot-cushions tawny; shanks paler than the thighs; streaks on the hind thighs, tips of the four hinder thighs, tips of the hind shanks, and hind feet black: wings yellowish brown; wing-ribs and veins black; poisers tawny. Length of the body 7½ lines; of the wings 11 lines.

a. Venezuela. From Mr. Dyson's collection.

Asilus Iamenus, n. s., mas. *Fuscus, thoracis vittis quatuor maculisque nonnullis nigro-fuscis, scutello metathorace pectoreque canis, abdomine cano maculis dorsalibus fuscis, antennis fulvis apice piceis, pedibus rufis, femoribus nigro-vittatis, tibiis tarsisque apice piceis, alis subfulvis dilatatis.*

Head narrower than the chest, covered with pale tawny down, clothed thinly behind and thickly beneath with white hairs, beset behind the eyes with a row of black bristles; crown covered with pale ferruginous down, beset on each side with a few black hairs; clypeus prominent, thickly armed with long whitish bristles: eyes bronze; fore part flat, its facets larger than those of the other part: lip black, clothed at the tip with short tawny hairs; palpi black, beset with long black hairs: first and second joints of the feelers tawny, beset with short black bristles; second joint hardly half the length of the first; third joint piceous, tapering from the base to the tip, about three-fourths of the length of the first; bristle black, a little longer than the second and the third: chest very light brown, clothed with very short black hairs, beset on each side and behind with black bristles, adorned with four dark brown stripes, and with some dark brown marks, each side stripe interrupted by two oblique tawny bands; scutcheon, hind chest, and breast hoary: abdomen rich brown, much narrower than the chest, and about twice its length, tapering from the base to the tip, thinly clothed with short pale hairs, adorned on each side with long whitish hairs; sides and hind borders of the segments, and the whole of the under-side hoary; first and second segments short; second segment armed on each side with some black bristles; third and following segments long, successively decreasing in length; sexual parts shining, piceous, rather large: legs pale red, thinly clothed with very short whitish hairs, armed with black spines; hips clothed with long whitish hairs; thighs striped with black; tips of shanks and of feet piceous; claws black; foot-cushions dark tawny: wings light tawny, reaching when closed a very little beyond three-fourths of the length of the abdomen, widened from the middle to the tips by means of the very convex fore border; wing-ribs piceous; veins black; poisers dark tawny. Length of the body $10\frac{1}{2}$ lines; of the wings 15 lines.

a. North Bengal. From Miss Campbell's collection.

Asilus Alamanus, n. s. *Fuscus, attenuatus, thorace nigro, vittis tribus fasciisque obliquis quatuor fuscis, lateribus canis, abdomine cinereo, maculis trigonis nigris, antennis pedibusque nigris, alis subfuscis apice cinereis.*

Body long, brown: head much narrower than the chest, thickly clothed behind and beneath with yellowish white hairs, beset behind

the eyes with black bristles, furnished on the crown with a few black hairs; front and clypeus covered with yellow down, the latter armed with mingled black and yellow bristles: eyes black; fore part nearly flat, with facets a little larger than those of the other part: lip and palpi black, the latter clothed with black hairs: feelers black; first and second joints beset with black hairs; second joint club-shaped, much shorter than the first; third joint spindle-shaped, a little longer than the first and the second; fourth and following joints like a bristle, which is a little longer than the third: chest beset with a few black hairs and bristles; its disk black, with three brown stripes; side stripes joined by two oblique bands to the sides of the chest, which are hoary, with a yellow tinge: breast gray, with a ferruginous tinge, especially on the fore part, clothed here and there with white hairs: abdomen gray, clothed with short white hairs, very slender, and much lengthened towards the tip, nearly thrice the length of the chest; a large black nearly triangular spot on each segment, the gray of whose sides widens as it approaches the hind border, which is also gray; first and second segments short; third and following segments long, successively but slightly increasing in length to the ninth, which is black and shining; tip beset with short black spines: legs black, clothed with short white hairs, and armed with black spines, which on the thighs are short, and chiefly on the under-side; claws black; foot-cushions dull pale ferruginous: wings pale brown, with gray tips; wing-ribs piceous, veins black; poisers tawny. *Variation in the wing-veins.*—An additional little cross-vein at the base of each of the open submarginal areolets. Length of the body 14 lines; of the wings 17 lines.

a. South Africa. Presented by Dr. A. Smith.

Asilus Ædithus, n. s., mas. et fem. *Ferrugineus, thoracis disco fusco, abdomine fulvo, maculis triangulis nigris, antennis nigris, pedibus ferrugineis, femoribus subtus nigris, alis sublimpidis.*

Body brown: head ferruginous, narrower than the chest, covered with white down, clothed behind and beneath with white hairs, beset behind the eyes with black and white bristles; sides of the crown furnished with a few black, and those of the front with white hairs; clypeus armed with black and white bristles: eyes black; fore part slightly convex, with facets rather larger than those elsewhere on the eye: lip and palpi black, the latter beset with black bristles: first and second joints of the feelers black, clothed with short black hairs; second joint a little shorter than the first: chest with five silky white stripes; middle stripe very slender and short; inner pair widening towards the fore border, where they join the outer pair: chest clothed with very short white hairs, beset on

each side and behind with longer white hairs and with black bristles; scutcheon, hind chest, sides of the chest, and breast mostly ferruginous with a hoary bloom: abdomen dark tawny, narrower than the chest, and about twice its length, tapering from the base to the tip, clothed with white hairs, which are longer and more numerous towards the base, especially on the under-side; segments above mostly black, excepting the sides and the hind borders, and then the tawny hue on the former widens as it approaches the latter, and thus the black spots are nearly triangular; first and second segments short; third and following segments long, and of nearly equal length; tip slender, black: legs ferruginous, stout, thickly clothed with short white hairs and armed with black spines; thighs black beneath; knees and claws black; foot-cushions bright tawny: wings nearly colourless, when closed reaching nearly to the tip of the abdomen; wing-ribs ferruginous; veins piceous, ferruginous along the fore borders; poisers tawny, with piceous knobs. Length of the body 11—12 lines; of the wings 16—18 lines.

a. South Africa. Presented by Dr. A. Smith.

Asilus Schedius, n. s. *Ferrugineus, thoracis vittis quatuor nigris, abdomine nigro, antennis nigris, articulo 2º pedibusque ferrugineis, femoribus subtus nigris, tarsis piceis, alis limpidis.*

Body broader and shorter than that of *A. Ædithus*: head somewhat narrower than the chest, clothed behind, and more thickly beneath with white hairs, beset along the upper hind borders of the eyes with a row of bright ferruginous bristles; crown dark tawny, with a few tawny hairs and a single black hair on each side; front and clypeus clothed with golden down; front with a few slender yellow bristles; clypeus with more and stouter ferruginous and black bristles, the latter on the hind part: eyes black; fore part slightly convex, its facets larger than those of the other part: lip and palpi black; the latter clothed with tawny hairs, and with a very few black bristles: feelers black; first and second joints beset with black hairs; second joint ferruginous, about half the length of the first; third joint spindle-shaped, as long as the first; fourth and following joints like a bristle, which is a little longer than the second and the third: chest ferruginous, with four broad black stripes, thinly clothed with short white hairs, beset on each side with black and pale ferruginous bristles; breast and sides of the chest pale ferruginous, slightly covered with a gray bloom, clothed here and there with white hairs: abdomen black, tapering from the base to the tip, a little narrower than the chest, and much longer, but not near twice its length, clothed with white hairs; first and second segments short; third and following segments longer,

but successively decreasing in length to the tip, which is shining and quite black: legs ferruginous, stout, clothed with white hairs and beset with black bristles; thighs mostly black beneath; feet and foot-cushions piceous; claws black: wings colourless, reaching when closed to the tip of the abdomen; wing-ribs dark ferruginous; veins ferruginous, piceous towards the tips; poisers tawny. Length of the body 9 lines; of the wings 15 lines.

a. South Africa. Presented by Dr. A. Smith.

Asilus Centho, n. s., mas. *Flavo-fuscus, thoracis vittis quinque scutello metathorace pectoreque fulvis, abdominis apice nigro, antennis piceis ferrugineo cinctis, pedibus rufis, tarsis nigris, alis limpidis, venis fulvo limbatis.*

Head piceous, much narrower than the chest, clothed behind with some yellow bristles and white hairs, thickly clothed beneath with longer white hairs; crown furnished with some yellow hairs on each side; clypeus prominent, clothed with yellow hairs, beset in front with long yellow bristles: eyes dark bronze, large; fore part flat, its facets larger than those of the other part: lip black, rather long, its tip clothed with short tawny hairs; palpi black, clothed with long yellow hairs: first and second joints of the feelers clothed with tawny hairs: first joint piceous, ferruginous towards the tip; second joint ferruginous, slightly club-shaped, rather more than half the length of the first: third joint piceous, spindle-shaped, ferruginous towards the tip, longer than the first; bristle black, very much longer than the third joint: chest yellowish brown, beset on each side and behind with a few black bristles, and with some short yellow hairs, adorned with five indistinct slender tawny stripes; the two side stripes on each side are close together; sides, scutcheon, hind chest, and breast pale tawny: abdomen yellowish brown, clothed with short yellow hairs, beset on the hind borders of the segments with some yellow bristles, tapering from the base to the tip, much narrower than the chest, and full twice its length; first and second segments very short; second segment arched, thickly clothed with long yellow hairs; third and following segments long, but successively decreasing in length to the tip, which is black and shining; third and fourth segments thickly clothed with long yellow hairs; under-side with a gray tinge: legs red, clothed with short yellow hairs and with little black bristles, armed with black spines; hips gray; fore pair clothed with long pale yellow hairs; knees and feet black; fore feet and middle feet armed beneath with short curved black spines, which have each a tooth near the middle; foot-cushions dark tawny: wings colourless, tawny along the fore

borders of the veins; wing-ribs ferruginous; veins piceous; poisers pale tawny. Length of the body 12 lines; of the wings 20 lines.

a. New Holland.
b. ——— ?

Asilus striola, *Wied. Dipt. Exot.* i. 199, 31. *Auss. Zweif.* i. 464, 58. Dasypogon striola, *Fabr. Syst. Antl.* 172, 38.
a. Brazil?

Asilus rufinervis, *Hoffmansegg, Meig. Dipt.* ii. 324, 27.
a. Hartz Mountains. Presented by Dr. Hoffmeister.

Asilus Curiatius, n. s., mas. *Niger, pectore cano, antennis pedibusque nigris, femoribus tibiisque subtus rufis, alis fuscis.*

Body black: head narrower than the chest, covered with tawny down, clothed behind and beneath with tawny hairs, beset on each side of the crown with a few black bristles; clypeus prominent, thickly covered with long black and tawny bristles: eyes black; fore part convex, its facets a little larger than those of the other part: lip black, clothed at the tip with short tawny hairs; palpi black, clothed with long black hairs: first and second joints of the feelers black, clothed with short black bristles; second joint much shorter than the first: chest thinly clothed with black hairs, beset on each side and behind with a few black bristles: breast hoary: abdomen much narrower than the chest, and more than twice its length, tapering from the base to the tip, clothed with short pale tawny hairs, and on each side towards the base with longer and paler hairs; first and second segments very short; third and following segments long, successively decreasing in length; sexual parts rather large: legs black, clothed with short black hairs, armed with black spines; thighs and shanks red beneath; foot-cushions pale piceous: wings dark brown; borders of some of the veins rather paler; wing-ribs piceous; veins black; poisers tawny. Length of the body 8½ lines; of the wings 13 lines.

a. Nepaul. From the Hardwicke bequest.

Asilus Malis, n. s., fem. *Ferrugineus, thoracis vittis quatuor nigris, abdomine piceo, segmentorum marginibus posticis ferrugineis, apice compresso nigro, antennis pedibusque nigris, tarsis basi tibiisque rufis, alis fuscis.*

Body piceous: head nearly as broad as the chest, covered behind and beneath with pale tawny down; above and in front with ferruginous down, clothed behind with tawny hairs and with a row

of black bristles, more thickly clothed beneath with whitish hairs; front beset with some black hairs on each side; clypeus very prominent, armed with a few long black and yellow bristles: eyes very dark bronze; fore part flat, its facets larger than those of the other part: lip black, clothed at the tip with short tawny hairs; palpi black, clothed with long black hairs; feelers black: first and second joints beset with a few short black bristles; second joint not half the length of the first; third joint slightly tapering from the base to the tip, hardly longer than the first; bristle very much longer than the third joint: chest and breast dark ferruginous, thinly clothed with short black hairs: chest beset on each side and behind with some black bristles, adorned with four black stripes; side stripes short, broad, each interrupted by an oblique tawny band: abdomen piceous, narrower than the chest, and about twice its length, tapering from the base to the tip, clothed with short tawny hairs, and at the base with some longer and paler hairs, hoary on each side and beneath; hind borders of the segments ferruginous; first and second segments short; second segment arched; third and following segments long, successively decreasing in length to the tip, which is compressed, black and shining: legs black, clothed with short tawny hairs, armed with black spines; shanks red; feet red at the base; foot-cushions tawny: wings brown; wing-ribs piceous; veins black; poisers tawny. Length of the body 9 lines of the wings 14 lines.

a. ——— ?

Asilus Gerion, n. s., fem. *Ferrugineus, thoracis vittis quatuor piceis, abdomine nigro, apice compresso, pedibus nigris, tibiis fulvis, alis fuscis.*

Body piceous: head nearly as broad as the chest, covered with dark tawny down, clothed behind and beneath with hoary hairs, beset behind the eyes with a row of black bristles; crown beset with black hairs on each side; clypeus very prominent, thickly armed with black hairs and bristles: eyes bronze; fore part nearly flat, composed of large facets: lip black, clothed at the tip with short pale yellow hairs; palpi black, clothed with long black hairs: forechest short, beset with some black bristles: chest and breast dark ferruginous, thinly clothed with short black hairs: chest beset on each side and behind with a row of black bristles, adorned with piceous stripes; each of the side pair interrupted by an oblique band; abdomen black, narrower than the chest, and more than twice its length, tapering from the base to the tip, clothed with short black hairs, and towards the base with long hoary hairs; first and second segments very short; third and following segments long, successively

decreasing in length; third segment crossed by two rows of black punctures; tip shining, compressed; under-side piceous: legs black, clothed with short black hairs, armed with black spines; shanks very dark tawny, black towards the tips; foot-cushions piceous: wings dark brown, blackish along the fore borders, paler towards the hind borders, where the disks of the areolets are almost colourless: wing-ribs and veins black; poisers tawny. Length of the body 10½ lines; of the wings 18 lines.

a. Brazil.

Asilus Peticus, n. s. fem. *Ferrugineus, thoracis disco nigro vittis tribus ferrugineis, abdomine piceo apice nigro compresso, antennis pedibusque nigris, tibiis ferrugineis, alis fuscis.*

Head as broad as the chest, covered with tawny down, beset behind the eyes with some black bristles and pale yellow hairs, more thickly clothed beneath with white hairs; crown covered with dark ferruginous down, beset on each side with black hairs; clypeus very prominent, armed with long stout black bristles, and in front with a few long white hairs: eyes dark bronze; a small portion of the fore part flat, and composed of much larger facets than those of the other part: lip black, clothed at the tip with short tawny hairs; palpi black, clothed with long black hairs: feelers black; first and second joints clothed with black hairs; second joint not half the length of the first; third joint tapering from the base to the tip, nearly as long as the first; bristle much longer than the third joint: chest thinly clothed with black hairs, beset on each side and behind with black bristles, adorned with three ferruginous stripes; each side stripe connected by an oblique ferruginous band with the sides of the chest, which like the breast, are also ferruginous: abdomen piceous, narrower than the chest, and about twice its length, clothed with ferruginous hairs, tapering from the base to near the tip, which is compressed, black, and shining; first and second segments very short, arched, covered on each side with a few long black bristles; third and following segments long, successively decreasing in length; under-side tinged with gray: legs black, clothed with black hairs, armed with black spines and bristles; shanks very dark ferruginous; foot-cushions piceous: wings dark brown; wing-ribs and veins black; poisers tawny. Length of the body 10½ lines; of the wings 18 lines.

a. Brazil.

Asilus iopterus, *Wied. Auss. Zweif.* i. 438, 21.
a. Para. Presented by J. P. George Smith, Esq.

ASILUS Sophus, n. s. *Fuscus, thoracis vittis duabus lateribusque ferrugineis, pectore fulvo, abdominis segmentorum marginibus posticis fulvis, antennis nigris, pedibus rufis nigro variis, alis fulvis apice fuscis.*

Head nearly as broad as the chest, covered with ferruginous down, clothed behind and beneath with yellow hairs, beset behind the eyes with black bristles; sides of the crown furnished with black hairs; clypeus prominent, armed with long black bristles: eyes large, purplish bronze; fore part slightly convex, its facets much larger than those of the other part: lip stout, black, clothed at the tip with short yellow hairs; palpi black, clothed with long black hairs: feelers black; first and second joints clothed with black hairs; second joint nearly as long as the first; third joint tapering from the base to the tip, nearly as long as the first and the second; bristle nearly twice the length of the third joint: chest dark brown, thinly clothed with black hairs, beset on each side and behind with black bristles, adorned with two ferruginous stripes, which are connected with the ferruginous sides by two oblique bands of the same colour: breast tawny, with a hoary tinge, partly clothed with hoary hairs: abdomen dark brown, narrower than the chest; hind borders of the segments tawny: legs red, clothed with black and tawny hairs, armed with black spines; hips, knees, feet, and tips of shanks black; thighs streaked with black; foot-cushions tawny: wings dark tawny, brown towards the tips; wing-ribs piceous; veins black; poisers ferruginous. Length of the body 12? lines; of the wings 16 lines.

a. ———?

ASILUS barbarus, *Fabr. Sp. Ins.* ii. 461, 4. *Ent. Syst.* iv. 377, 5. *Syst. Antl.* 154, 5. *Gmel. Ed. Syst. Nat.* v. 2895, 3. *Latr. Gen. Crust.* iv. 298.

a. Gibraltar. Presented by B. Frend, Esq.
b. Tunis. From Mr. Fraser's collection.
c. Tripoli.
d. Spain.

ASILUS crabroniformis, *Linn. Faun. Suec.* 1908. *Gmel. Ed. Syst. Nat.* v. 2896, 4. *Fabr. Sp. Ins.* ii. 461, 5. *Ent. Syst.* iv. 377, 6. *Syst. Antl.* 154, 6. *Deg. Ins.* vi. 98, 7, *t.* 14, *f.* 3. *Schæff. Icon. t.* 8, *f.* 15. *Schell. Gen. Mouch. t.* 29, *f.* 1. *Geoff. Ins.* ii. 468, 3, *t.* 17, *f.* 3. *Frisch. Ins.* iii. *t.* 8. *Herbst. Gen. Nat.* viii. 118. *Schrank. Faun. Boic.* iii. 2541. *Ins.*

Austr. 992. *Latr. Gen. Crust.* iv. 298. *Cons. Gén.* 443. *Fall. Dipt. Suec. Asil.* 8, 1. *Meig. Dipt.* ii. 309, 4.
a. England.
b. France.
c. ——— ? From Mr. Children's collection.

Asilus apicata, n. s., fem. *Niger, thoracis lateribus ferrugineis, pectore cano, abdominis segmentis fulvo fasciatis, ventre piceo, pedibus fulvis, femoribus nigro vittatis, alis subflavis marginibus posticis cinereis.*

Allied to *A. crabroniformis.* Body black, clothed with short yellow hairs: head as broad as the chest, clothed with pale shining yellow hairs; clypeus prominent, beset with long pale yellow bristles, and with some shorter black bristles: eyes very large, dark bronze; fore part flat, composed of very large facets, and quite distinct from the other part: lip black, shining, clothed at the base with long pale yellow hairs, and at the tip with short tawny hairs; tongue and palpi black, the latter clothed with tawny hairs: chest covered with pale tawny bloom, ferruginous on each side behind; sides beset with some tawny bristles: breast hoary and clothed with hoary hairs: abdomen linear, clothed with tawny hairs, narrower than the chest, and much less than twice its length; hind borders of the segments tawny; under-side piceous; segments from the third to the sixth successively, but very slightly decreasing in length; seventh segment much shorter than the sixth: eighth and ninth segments small: legs tawny, clothed with tawny hairs, and beset with some slender tawny bristles; hips black; thighs streaked with black; claws black, tawny at the base; foot-cushions tawny: wings pale yellow; hind borders gray; wing-ribs and veins bright tawny, some of the latter yellow; poisers yellow. Length of the body 9 lines; of the wings 18 lines.

a. Java.

Asilus Calatinus, n. s., mas. *Fulvus, thoracis disco fusco vittis tribus fulvis, abdominis segmentorum marginibus posticis piceis, antennis flavis apice piceis, pedibus alisque fulvis.*

Body tawny: head a little narrower than the chest, covered with whitish down, beset behind the eyes with a few white hairs and black bristles, thickly clothed beneath with white hairs; crown covered with tawny down; front clothed with a few white hairs; clypeus armed with long white spines: eyes bronze; fore part flat, its facets much larger than those of the other part: lip black,

clothed at the tip with short tawny hairs; palpi black, beset with black hairs and bristles: first and second joints of the feelers beset with short stout black hairs; first joint pale yellow: second joint tawny, about half the length of the first; third joint piceous, tapering from near the base to the tip, tawny at the base, shorter than the first; bristle black, much more than twice the length of the first joint: fore-chest pale tawny, beset with yellow bristles: chest pale brown, thinly clothed with black hairs, beset on each side and behind with some black bristles, adorned with three pale tawny stripes, and on each side with three oblique pale tawny bands, the latter connect the side stripes with the sides of the chest, which are also pale tawny; scutcheon pale tawny; hind chest and breast whitish: abdomen yellowish tawny, narrower than the chest, and more than twice its length, tapering from the base to the tip, clothed with tawny hairs; each segment ferruginous towards the hind border, which is piceous; tip black, and clothed with black hairs; under-side paler, and with a whitish bloom, especially towards the base; first and second segments very short; second segment arched; third and following segments long, successively decreasing in length; third, fourth, and fifth segments beset on each side of the hind border with some yellow bristles, which successively decrease in number; third segment crossed by a furrow and by some rows of punctures near the fore border: legs tawny, clothed with black and tawny hairs, armed with some black spines, and with a few white bristles; hips whitish, clothed with long white hairs; knees black; claws black, tawny towards the base; foot-cushions tawny: wings tawny; wing-ribs piceous; veins black, piceous towards the base; poisers yellow, with ferruginous knobs. Length of the body 9½ lines; of the wings 16 lines.

a. Brazil.

In a fly of this species there is a very short fork near the base of the vein between the submarginal areolets in one wing.

Asilus chrysitis, *Hoffmansegg*, *Meig. Dipt.* ii. 310, 5.
a. Marseilles.
b. Albania. Presented by W. W. Saunders, Esq.
c. ———?

Asilus Tucca, n. s., fem. *Niger, aureo pubescens, abdominis maculis aureis, antennis nigris, pedibus nigro variis, femoribus rufis, tibiis fulvis, alis limpidis, apicibus marginibusque posticis cinereis.*

Body black: head nearly as broad as the chest, covered with golden down, clothed behind and beneath with hoary hairs, beset

behind the eyes with black bristles; tubercle of the eyelets beset with a cluster of black bristles; sides of the crown covered with black hairs; clypeus prominent, thickly beset with long yellow bristles: eyes large, bronze, fore part flat, its facets much larger than those of the other part: lip black, clothed at the tip with short pale yellow hairs; palpi black, beset with long black hairs: first and second joints of the feelers black, clothed with black hairs; second joint a little shorter than the first: chest and breast covered with golden down: chest beset with a few black hairs and bristles on each side and behind; its disk mostly black: breast covered with a hoary bloom, and partly clothed with hoary hairs: abdomen longer and a little narrower than the chest, but not near twice its length, tapering from the base to the tip, clothed with tawny hairs, which are longest and most numerous at the base, adorned with a large golden spot on the hind border of each segment; first and second segments very short; third and following segments long, successively decreasing in length to the tip, which is armed with a circlet of short black spines: legs clothed with short yellow and black hairs, armed with black spines; thighs red; shanks tawny; hips, knees, feet, and tips of thighs and of shanks black; foot-cushions tawny: wings colourless, gray for one-third of the length from the tips and along the hind borders; wing-ribs piceous; veins black; poisers pale ferruginous. Length of the body 7 lines; of the wings 12 lines.

a. ——— ? From the Hardwicke bequest.

Asilus Vibulanus, n. s., fem. *Niger, thoracis vittis tribus lateribusque ferrugineis, pectore cano, abdomine fusco fasciis pallidioribus, antennis nigris, pedibus piceis fulvo vittatis, alis subcinereis apice fuscis.*

Head nearly as broad as the chest, covered with hoary down, clothed behind and beneath with white hairs, beset behind the eyes with a row of black bristles; crown covered with ferruginous down, beset with a few black hairs on each side; front and clypeus covered with tawny down; clypeus armed with some long black and pale yellow bristles: eyes bronze; fore part flat, its facets much larger than those of the other part: lip black, clothed at the tip with short tawny hairs; palpi black, beset with long black bristles: feelers black; first and second joints covered with gray down, beset with short black bristles; second joint about half the length of the first; third joint spindle-shaped, as long as the first; bristle much larger than the third joint: chest black, clothed with short and long black hairs, beset on each side and behind with black bristles, adorned with three ferruginous stripes; middle stripe indistinct; side stripes connected by four oblique bands to the sides, which are also ferru-

ginous: breast hoary: abdomen dark brown, narrower than the chest, and much more than twice its length, tapering from the base to the tip, clothed with very short hoary hairs, beset on each side with a few long hoary hairs and bristles; hind borders of the segments pale brown; first and second segments very short; third and following segments long, successively decreasing in length; tip compressed, black, shining: legs piceous, clothed with short black hairs, armed with black spines; inner-side of thighs and of shanks mostly tawny; foot-cushions tawny: wings with a slight gray tinge, brown along the hind borders, and for one-third of the length from the tips; wing-ribs piceous; veins black; poisers tawny. Length of the body 11 lines; of the wings 16 lines.

a. ——— ? From Mr. Children's collection.

Asilus Penarius, n. s., fem. *Fuscus, thoracis vittis tribus fulvis, pectore abdominis fasciis ventreque canis, abdominis apice, antennis pedibusque nigris, alis limpidis.*

Head narrower than the chest, covered with pale tawny down, clothed behind and beneath with white hairs, beset behind the eyes with a row of black bristles; crown with a few black hairs on each side; clypeus prominent, thickly armed with long white bristles, and having a few black bristles on the hinder part: eyes bronze; fore part flat, its facets larger than those of the other part: lip black, clothed at the tip with short tawny hairs; palpi black, beset with long black hairs: first and second joints of the feelers black, covered with gray down, beset with short black bristles; second joint much shorter than the first: chest brown, clothed with long and short black hairs, beset on each side and behind with some yellow and black bristles, adorned with three dull pale tawny stripes; middle stripe indistinct; side stripes connected with the sides by four oblique pale tawny bands; sides and breast hoary, with a tawny tinge: abdomen pale brown, narrower than the chest, and full twice its length, tapering from the base to the tip, which is black and shining, clothed with short pale yellow hairs, beset on each side of the hind borders of the segments with a few pale yellow bristles; sides and hind borders of the segments and under-side hoary; first and second segments very short; second segment arched, adorned with a cluster of white hairs and bristles on each side; third segment long, crossed by rows of black punctures, with some long whitish hairs on each side; following segments successively decreasing in length; under-side thinly clothed with long pale yellow hairs: legs black, thickly clothed with short pale tawny hairs, armed with black and white spines; foot-cushions tawny: wings colourless, reaching when closed nearly to the tip of the ab-

domen, slightly brown along the borders of the veins; wing-ribs ferruginous; veins black, piceous towards the base; poisers tawny. Length of the body 8½ lines; of the wings 13 lines.

a. ——— ?

ASILUS Corythus, n. s., fem. *Fuscus, thorace vittato, abdomine fusco-fulvo, apice nigro, antennis piceis basi ferrugineis, pedibus nigris, tarsis basi tibiisque ferrugineis alis subfuscis.*

Head a little narrower than the chest, covered with pale tawny down, thickly clothed behind and beneath with white hairs, beset behind the eyes with a row of black bristles; crown furnished on each side with black bristles and white hairs; front clothed with white hairs; clypeus more thickly armed with long white hairs and black bristles: eyes bronze; fore part flat, its facets much larger than those of the other part: lip black, clothed at the tip with short tawny hairs; palpi piceous, with ferruginous tips, clothed with long hoary hairs; first and second joints of the feelers beset with short black bristles; first joint ferruginous; second joint piceous, ferruginous at the base, about half the length of the first: chest dark brown, indistinctly striped, clothed with very short black hairs, beset on each side and behind with black bristles: breast gray, partly clothed with hoary hairs: abdomen brownish tawny, narrower than the chest, and much more than twice its length, tapering from the base to the tip, clothed with extremely short black, and towards the base with longer tawny hairs; first and second segments very short; third and following segments long, successively decreasing in length to the tip, which is black, shining, nearly cylindrical, and armed with a circlet of short black spines: legs black, clothed with very short black hairs, armed with black spines; shanks ferruginous, piceous at the tips; feet ferruginous towards the base; foot-cushions tawny: wings light brown, reaching when closed a little beyond three-fourths of the length of the abdomen; wing-ribs piceous; veins black; poisers tawny. Length of the body 9½ lines; of the wings 13 lines.

a. ——— ? From Mr. Children's collection.

ASILUS Tamphilus, n. s., mas. *Fuscus, thoracis vittis tribus pallidioribus, lateribus pectoreque canis, abdominis segmentorum marginibus posticis cinereo-fulvis, antennis pedibusque nigris, tibiis basi rufis, alis subfuscis apice cinereis.*

Head narrower than the chest, covered with hoary down, clothed behind and beneath with white hairs, covered above and in front with dark tawny down, beset behind the eyes with a row

of black bristles; crown with black hairs on each side; clypeus thickly armed with long black bristles: eyes dark bronze; fore part flat, its facets much larger than those of the other part: lip black, clothed at the tip with short tawny hairs; palpi black, beset with long black hairs: first and second joints of the feelers black, beset with black bristles; second joint not half the length of the first: chest brown, clothed with short black hairs, beset on each side and behind with black bristles, adorned with three pale brown stripes, which are narrow and linear; sides and breast hoary, the former with a tawny tinge: abdomen dark brown, much narrower than the chest, and rather more than twice its length, tapering from the base to the tip, clothed with hoary hairs, beset on each side with a few tawny bristles; hind borders of the segments grayish tawny; first and second segments very short; second segment arched, adorned with a tuft of hoary hairs on each side; third and following segments long, successively decreasing in length: legs black, clothed with short pale yellow hairs, armed with black spines; four front shanks red towards the base; hind shanks piceous at the base; foot-cushions piceous: wings tinged with brown, gray at the tips, reaching when closed to the tip of the abdomen; wing-ribs piceous; veins black; poisers tawny. Length of the body 9 lines; of the wings 13 lines.

a. ——— ?

ASILUS Blasio, n. s., mas. *Niger, aureo pubescens, thoracis vittis quatuor nigris, abdomine nigro univittato, antennis nigris, pedibus rufis nigro variis, alis subfulvis apice cinereis.*

Body black: head narrower than the chest, covered with pale golden down, clothed behind and beneath with white hairs, beset behind the eyes with a row of black bristles; crown grayish black, its sides covered with pale yellow down and clothed with black hairs; clypeus prominent, armed behind with black bristles, and in front with two longer and stouter black bristles and with white bristles and hairs: lips black; fore part flat, its facets much larger than those of the other part: lip black, clothed at the tip with short tawny hairs; palpi black, clothed with long black hairs: feelers black; first and second joints clothed with black hairs; second joint club-shaped, more than half the length of the first; third joint spindle-shaped, longer than the first; bristle stout, tapering from the base to the tip, a little shorter than the third joint: chest and breast covered with golden down: chest thinly clothed with black hairs, beset on each side and behind with some black bristles, adorned with four black stripes, of which the middle pair are long and linear, the side pair are short, broad, and interrupted: abdomen

covered with golden down, clothed with yellow hairs, which are longer and thicker towards the base, very slightly tapering from the base to the tip, which is black and shining; a broad black stripe along the back; first and second segments very short; second segment arched; third and following segments long, successively decreasing in length: legs bright red, clothed with black and whitish hairs, armed with black spines; hips, knees, tips of shanks, and feet black; claws black, red at the base; foot-cushions tawny; tips of four hinder thighs black: wings rather short, slightly tawny, gray towards the tips, and thence along half the length of the hind borders; wing-ribs ferruginous; veins black, piceous at the base; poisers tawny. Length of the body 8 lines; of the wings 12 lines.

a. West Australia. From Mr. Clifton's collection.

Asilus Balacrus, n. s., mas. *Fulvus, thoracis vittis quatuor fuscis, abdominis fasciis pallidioribus, antennis nigris, pedibus rufis nigro variis, alis subfulvis apice fuscis.*

Head black, as broad as the chest, clothed with tawny and black hairs, and beset with a row of black bristles behind, clothed beneath with white hairs; front and clypeus adorned with silvery down; clypeus very prominent, clothed behind with a few long black hairs, armed in front with a thick cluster of longer white hairs: eyes large, bronze; fore part flat, its facets much larger than those of the other part: lip black, clothed at the tip with short pale yellow hairs; palpi black, beset with long black hairs: first and second joints of the feelers black, clothed with short black hairs; second joint slightly club-shaped, about half the length of the first: chest dark tawny, clothed with black hairs, beset on each side and behind with black bristles, adorned with four brown stripes, middle stripes narrow and linear, side stripes shorter and broader, and each interrupted by an oblique tawny band: breast tawny, with a gray tinge, partly clothed with black hairs: abdomen narrower than the chest and nearly twice its length, slightly tapering from the base to the tip, thinly clothed with black hairs; base and sides tawny; hind borders of the segments paler tawny; each side of the fourth and of the seventh segments armed with a few black bristles; first and second segments very short, the latter arched, covered with pale tawny down, adorned on each side with a cluster of tawny hairs; third and following segments long, but successively decreasing in length to the tip; sexual parts large, shining: legs red, thinly clothed with short tawny hairs, armed with black spines; feet black, clothed with short black hairs; thighs and hind shanks striped with black: wings with a slight tawny tinge, brown at the tips; wing-ribs ferruginous;

veins piceous, black towards the tips; poisers tawny. Length of the body 8 lines; of the wings 14 lines.

a. ——— ?

Asilus brevipennis? *Wied. Auss. Zweif.* i. 431, 10.
a. Florida. Presented by E. Doubleday, Esq.

Asilus femoralis, *Wied. Auss. Zweif.* i. 466, 61.
a. Egypt. Presented by Sir Gardner Wilkinson.

Asilus Antiphus, n. s., mas. *Piceus, thorace fulvo vittis duabus nigris, abdomine antennis femoribusque nigris, pedibus fulvis, alis limpidis apicibus marginibusque posticis cinereo variis.*

Body piceous: head narrower than the chest, thinly clothed with yellow hairs, beset behind the eyes with black bristles; tubercle of the eyelets covered with black hairs; clypeus thickly beset with black bristles and with more and longer yellow bristles: eyes dark green; fore part nearly flat, not very distinct from the other part, but with rather larger facets: lip black, shining, clothed at the base with long, and at the tip with short yellow hairs; palpi black, and beset with black bristles: feelers black; first joint thickly clothed with black hairs; second joint rather more than half the length of the first; third joint spindle-shaped, as long as the first and the second; fourth and fifth joints like a bristle, nearly as long as the third: chest dark tawny, with two black stripes very near together, clothed with short black hairs, and beset on each side with black bristles: breast piceous, and clothed with yellow hairs: abdomen black, covered with dark tawny bloom, clothed with yellow hairs, tapering from the base to the tip, much narrower than the chest and about twice its length; segments from the third to the sixth successively and slightly decreasing in length; seventh segment much shorter than the sixth; eighth segment still shorter; ninth segment with the sexual parts shining: legs tawny, stout, clothed with tawny hairs and armed with black bristles; hips and thighs black, tips of the latter tawny; tips of the feet piceous; claws black, tawny at the base; foot-cushions tawny: wings colourless; disks of the areolets at the tips and along the hind borders gray; wing-ribs ferruginous; veins black, piceous towards the base, which is ferruginous; poisers tawny. Length of the body 8—10 lines; of the wings 14—16 lines.

a. Brazil.

Asilus Triopas, n. s., mas. *Canus, thoracis vittis quatuor cinereis, abdomine fulvo, antennis femoribusque nigris, pedibus fulvis, alis subfuscis, venarum marginibus apice limpidis.*

Body hoary: head a little narrower than the chest, clothed with pale yellow hairs, beset with a row of black bristles behind the eyes, and with a few black hairs on the crown; clypeus armed behind with black bristles, and in front with more and longer pale yellow bristles; sides of the front pale tawny: eyes black; fore part nearly flat, not very distinct from the other part, and with but little larger facets: lip black, shining, clothed at the base with long, and at the tip with short yellow hairs: feelers black; first joint thickly clothed with longer yellow hairs and black bristles; second joint clothed with short yellow hairs, much shorter than the first; third joint spindle-shaped, nearly as long as the first and the second; fourth and fifth joints like a bristle, as long as the third: chest with four indistinct dark gray stripes, clothed with black hairs, and beset on each side and behind with black bristles: breast with a few pale yellow hairs: abdomen dark tawny, rather paler beneath, tapering from the base to the tip, much narrower than the chest, and about twice its length; segments from the third successively decreasing in length: legs tawny, clothed with pale yellow hairs, and beset with black bristles; hips and thighs black; claws black, tawny at the base; foot-cushions tawny: wings light brown; areolets towards the tips with colourless borders: wing-ribs ferruginous; veins black, piceous at the base; poisers tawny. Length of the body $7\frac{1}{2}$ lines; of the wings 13 lines.

a. ———?

Asilus Alastor, n. s., mas. *Cinereus, thoracis vittis duabus latis albidis, pectore albo, abdomine cano unifasciato apiceque pilis argenteis ornato, antennis nigris, pedibus cinereis, alis limpidis.*

Body dark gray: head as broad as the chest, clothed behind and beneath with white hairs, furnished with a few black hairs on the crown; clypeus thickly armed with long white bristles: eyes large, dark bronze; fore part nearly flat, its facets rather large: lip and palpi black, the latter clothed with short black bristles; first and second joints of the feelers black, and clothed with black hairs; second joint shorter than the first: chest with two broad whitish stripes on the disk, clothed with short black hairs, and beset on each side with black bristles: breast white, and thinly clothed with white hairs: abdomen tapering from the base to the tip, rather narrower than the chest, and much more than twice its length, clothed with short black hairs, adorned with a broad hoary band just beyond the middle, and with a tuft of silvery white hairs at the tip: legs dark

gray; hips hoary; thighs armed beneath with black spines; shanks and feet beset with black bristles; claws black; foot-cushions piceous: wings colourless, not reaching when closed beyond two-thirds of the length of the abdomen; wing-ribs piceous; veins black, piceous at the base; poisers piceous. Length of the body 9 lines; of the wings 10 lines.

a. South Africa. Presented by Dr. A. Smith.

ASILUS Elva, n. s. *Fuscus, pectore cinereo, abdomine nigro fasciis fulvis, subtus piceo fasciis ferrugineis, antennis pedibusque nigris, tibiis piceis, alis cinereis.*

Body pale brown, with a tawny tinge: head much narrower than the chest, thickly beset above, behind, and on the clypeus with black bristles, furnished on each side of the front with a few pale yellow hairs, clothed beneath with piceous hairs: eyes black; fore part quite flat, composed of larger facets, and very distinct from the other part: lip black, clothed at the base with long, at the tips with short pale yellow hairs; palpi black, and clothed with black hairs: feelers black; first and second joints thickly beset with black bristles, dark ferruginous at the tips; second joint much shorter than the first; third joint oval, as long as the first, and much broader: chest clothed with short black hairs, and beset on each side and behind with black bristles: breast gray: abdomen black, clothed with short black hairs, tapering from the base to the tip, hardly narrower than the chest at the base and much less than twice its length; hind borders of the segments dull tawny, and clothed with short yellow hairs; sides beset with black bristles and stout black hairs; under-side piceous; hind borders of the segments dark ferruginous: legs black, thickly clothed with black hairs, and beset with some black bristles; shanks and under-side of the feet piceous; claws black; foot-cushions yellow: wings dark gray; wing-ribs and veins piceous, the latter black towards the tips; poisers dark tawny. Length of the body $6\frac{1}{2}$ lines; of the wings 9 lines.

a. North Bengal. From Miss Campbell's collection.

ASILUS Coras, n. s., fem. *Canus, thoracis vittis quatuor cinereo-fuscis, abdomine fusco apice nigro, segmentorum marginibus posticis ventreque fulvis, antennis nigris, pedibus ferrugineis, alis subcinereis.*

Head covered with dull pale tawny down, behind and beneath with hoary down; sides of the crown beset with black hairs; clypeus armed with long white bristles, and in front with a few black bristles: eyes dark bronze; fore part slightly convex, its facets very little larger than those of the other part: lip black, clothed at the

tip with short tawny hairs; palpi black, clothed with long pale yellow hairs: feelers black, covered with gray down; first and second joints beset with short black bristles; second joint much shorter than the first; third joint spindle-shaped, as long as the first; bristle stout, as long as the third joint: chest and breast hoary: chest clothed with very short black hairs, beset on each side and behind with black bristles; nearly the whole of its disk occupied by four broad incomplete grayish brown stripes: abdomen brown, hardly narrower than the chest, about twice its length, tapering from the base to the tip, which is black, shining, and armed with a circlet of short black spines, clothed with short pale yellow hairs, and towards the base with longer and paler hairs; under-side and hind borders of the segments dull tawny; first and second segments very short; third and following segments long, successively decreasing in length: legs ferruginous, clothed with short whitish hairs, armed with black and white spines; hips gray; thighs and claws black: foot-cushions tawny; wings light gray; wing-ribs and veins piceous; poisers tawny. Length of the body 6½ lines; of the wings 11 lines.

a. ———? From Mr. Children's collection.

Asilus Halmus, n. s., fem. *Fusco-fulvus, thoracis vittis quatuor fuscis, abdomine cinereo-fulvo, segmentorum marginibus posticis ventreque cinereis, apice nigro compresso, antennis nigris, articulo 3º basi fulvo, pedibus nigro-cinereis, tibiis apice fulvis, alis subfulvis, apicibus marginibusque posticis cinereis.*

Head almost as broad as the chest, covered with white down, clothed behind and beneath with hoary hairs, beset behind the eyes with a row of black bristles; sides of the crown furnished with black hairs; front and clypeus covered with yellow down; clypeus armed with some black bristles and with a cluster of longer pale yellow bristles: eyes black; fore part slightly convex, its facets larger than those of the other part: lip and palpi black, the latter beset with long black hairs: feelers black; first and second joints beset with black hairs; second joint club-shaped, much shorter than the first; third joint spindle-shaped, tawny at the base, as long as the first; bristle stout, about half the length of the third joint: chest brownish tawny, thinly clothed with short black hairs, beset on each side and behind with some black bristles, adorned with four brown stripes; middle pair long and linear; side pair short and broad: breast hoary: abdomen dull grayish tawny, thinly clothed with very short black hairs, narrower than the chest and much more than twice its length, tapering from the base to the tip; first and second joints very short; second joint adorned on each side with a cluster of long

hoary hairs and with one or two white bristles; third and following joints long, successively decreasing in length; tip compressed, black and shining; hind borders of the segments and under-side gray: legs gray, clothed with very short pale yellow hairs, armed with black spines; hips and thighs black; tips of the thighs tawny; tips of shanks and of feet black; claws black, reddish tawny at the base; foot-cushions tawny: wings slightly tawny, gray at the tips and along the hind borders; wing-ribs ferruginous; veins black, ferruginous at the base; poisers tawny. Length of the body 7 lines; of the wings 10 lines.

a. ——— ?

Asilus Amazænes, n. s., fem. *Cinereus, pectore cano, antennis nigris, pedibus cinereis, tibiis tarsisque nigro-fulvis, alis limpidis.*

Body black: head narrower than the chest, clothed behind and beneath with white hairs and on the crown with a few black hairs; front and clypeus very thickly covered with long pale yellow hairs: eyes very dark bronze; fore part slightly convex, its facets hardly larger than those of the other part: lip and palpi black, the latter beset with black bristles: first and second joints of the feelers black, beset with short black hairs; second joint much shorter than the first: chest gray, clothed with short black hairs, and having some white hairs and black bristles on each side: breast hoary, thinly clothed with white hairs: abdomen gray, tapering from the base to the tip, narrower than the chest and about twice its length, clothed with white hairs, which form a cluster on each side at the base; segments from the third very slightly decreasing in length: legs black, covered with a gray bloom and clothed with white hairs; thighs armed with some yellow spines; shanks and feet with a dark tawny tinge, beset with black and pale yellow spines; claws black; foot-cushions tawny: wings colourless, when closed not reaching the tip of the abdomen; wing-ribs and veins piceous; poisers dark tawny. Length of the body 8 lines; of the wings 11 lines.

a. South Africa. Presented by Dr. A. Smith.

Asilus Aphellas, n. s., mas. *Cinereus, pectore abdomineque canis, antennis nigris, pedibus cinereis, tibiis ferrugineis, tarsis piceis, alis limpidis.*

Head brown, narrower than the chest, clothed behind and beneath with white hairs, and having a few black hairs on the crown; front and clypeus most thickly clothed with long yellowish white hairs: eyes dark bronze; fore part slightly convex, its facets not much larger than elsewhere: lip and palpi black, the latter beset

with black bristles: feelers black; first and second joints clothed with long black hairs; second joint shorter than the first; third joint long, spindle-shaped; bristle shorter (?) than the third joint: chest gray, clothed with short yellowish white hairs, and beset on each side with long black and pale yellow bristles: breast hoary: abdomen hoary, clothed with short white hairs, which form a tuft on each side at the base, tapering from the base to the tip, hardly twice the length of the chest; segments from the third successively decreasing in length: legs gray, clothed with white hairs, and beset with pale yellow spines, which are most frequent on the shanks and on the feet; shanks ferruginous; feet piceous; claws black, ferruginous at the base; foot-cushions pale tawny: wings colourless; wing-ribs piceous; veins black; fore border veins ferruginous; poisers tawny. Length of the body 6 lines; of the wings 10 lines.

a. South Africa. Presented by Dr. A. Smith.

Asilus Noas, n. s., fem. *Cinereo-fulvus, capite albo, pectore cinereo, antennis nigris, pedibus cinereis, tibiis ferrugineis, alis limpidis.*

Body grayish tawny: head white, very little narrower than the chest, clothed behind and beneath with white hairs, beset behind the eyes with a row of tawny bristles; crown covered with a few black hairs: clypeus with a very thick tuft of long pale yellow hairs: eyes brassy; fore part flat, composed of large facets: lip black, clothed at the tip with short tawny hairs; palpi black, beset with long black hairs: first and second joints of the feelers black, clothed with black hairs; second joint club-shaped, shorter than the first: chest clothed with short white hairs and beset on each side with a few tawny bristles: breast gray, almost hairless: abdomen a little narrower than the chest and nearly twice its length, tapering from the base to the tip, clothed with short white hairs and beset with one or two white bristles on the sides of the hind border of each segment; first and second segments short; third and following segments long, but successively decreasing in length: legs gray, clothed with white hairs and beset with pale yellow spines; shanks dark ferruginous; claws black; foot-cushions tawny: wings colourless; wing-ribs dark ferruginous; veins black, ferruginous along the fore borders; poisers tawny. Length of the body 6½ lines; of the wings 11 lines.

a. South Africa. Presented by Dr. A. Smith.

ASILUS Isse, n. s., mas. *Fusco-fulvus, thorace fasciculis flavis, pectore cinereo-fulvo, abdomine subtus cano, antennis nigris, pedibus piceis, tibiis ferrugineis, alis subcinereis.*

Body brownish tawny: head a little narrower than the chest, clothed behind and beneath with pale yellow hairs, beset behind with black bristles; crown covered with a few black hairs: front and clypeus covered with yellow down; clypeus thickly armed with long pale yellow bristles, among which are a few long black hairs: eyes dark bronze; fore part nearly flat, its facets very little larger than those of the other part: lip black, clothed at the tip with tawny hairs; palpi black, beset with black bristles: feelers black: chest thinly clothed with short whitish hairs, and beset with long black bristles on each side and behind, where there is a short stripe of tufts of yellow hair: breast grayish tawny: abdomen with a hoary tinge on the under-side, tapering from the base to the tip, much narrower than the chest and rather less than twice its length, clothed with short white hairs; segments from the third successively decreasing in length, each with some black punctures along the fore border and with a few whitish bristles on each side of the hind border: legs piceous, stout, rather thickly clothed with yellowish white hairs and beset with pale yellow spines: thighs thick; shanks dark ferruginous; feet armed with piceous spines; claws black; foot-cushions tawny: wings with a slight gray tinge, reaching when clothed to three-fourths of the length of the abdomen; wing-ribs ferruginous; veins black, ferruginous at the base and along the fore borders; poisers tawny. Length of the body 7½ lines; of the wings 10 lines.

a. South Africa. Presented by Dr. A. Smith.

ASILUS Abuntius, n. s., fem. *Cinereo-niger, thorace pilis nigris hirto, pectore fulvo, abdomine pilis albis vestito, antennis nigris, pedibus cinereo-nigris, alis limpidis, venis transversis flavo-fusco subnebulosis.*

Body grayish black: head narrower than the chest, clothed behind and beneath with yellowish white hairs, beset behind with black bristles, thinly clothed on the crown with black hairs, adorned with a stripe of yellow down on each side of the front; clypeus thickly beset with golden hairs: eyes brassy; fore part slightly convex, its facets a little larger than those of the other part: lip and palpi black, the latter beset with black hairs: feelers black; first and second joints clothed with black hairs; second joint club-shaped, shorter than the first; third joint spindle-shaped, longer than the first and the second joints: chest thickly clothed with short black hairs and beset on each side with black bristles: breast dull tawny,

gray on each side, clothed here and there with white hairs: abdomen narrower than the chest and twice its length, tapering from the base to the tip, thinly clothed with short white hairs, and beset with one or two white bristles on the sides of the hind border of each segment: legs grayish black, clothed with short white hairs and with some short white spines; claws black; foot-cushions pale ferruginous: wings colourless; cross-veins slightly clouded with yellowish brown; wing-ribs piceous; veins black, dark ferruginous at the base; poisers tawny. Length of the body 7—8 lines; of the wings 10—12 lines.

a. South Africa. Presented by Dr. A. Smith.

Asilus Paron, n. s., mas. *Fuscus, capite pilis albis nigrisque vestito, thorace vittis duabus maculisque nonnullis nigris, abdomine pilis flavis canisque vestito subtus cano, antennis pedibusque nigris, tibiis rufis, alis subfuscis.*

Body pale brown: head a little narrower than the chest, hoary and clothed with white hairs behind and especially beneath, clothed on the crown with a few black hairs, and beset behind the eyes with some black bristles; front thickly clothed with long black bristles; clypeus more thickly covered with longer white bristles: eyes coppery; fore part slightly convex, its facets but little larger than those of the other part, from which it is not easy to be distinguished: lip black, its tip clothed with tawny hairs: feelers black; first and second joints linear, beset with black hairs; second joint much shorter than the first: chest rather thickly clothed with black bristles, and having two narrow black stripes close together, and on each side of them some blackish spots; the bristles on the hind part of the chest are longer and more numerous than those on the fore part, and the scutcheon is armed with three stouter bristles: breast and abdomen a little paler than the chest: abdomen clothed with pale yellow and hoary hairs, much narrower than the chest and rather less than twice its length, hoary beneath; third, fourth and fifth segments long; sixth and following segments shorter: legs black, covered with gray bloom and clothed with long pale yellow hairs; thighs and shanks beset with some black spines; thighs rather thick; shanks red, black beneath and towards the tips; feet thickly armed with black spines; claws black; foot-cushions tawny: wings very slightly tinged with brown, widened and very convex on the fore border at two-thirds of the length; wing-ribs and veins piceous, the latter black towards their tips; poisers tawny. Length of the body 8 lines; of the wings 12 lines.

a. South Africa. Presented by Dr. A. Smith.

Asilus Jacksonii, *Macq. Dipt. Exot.* i. 2, 145, 25.
a. New Holland. Presented by the Haslar Hospital.

Asilus Lecythus, n. s., mas. et fem. *Fuscus, thoracis vittis tribus lateribus pectoreque fulvis, abdomine,* mari. *fulvo-cinereo apice nigro,* fem. *fulvo, antennis pedibusque nigris, femoribus apice fulvis, tibiis tarsisque fulvis apice nigris, alis limpidis apice subfuscis.*

Body brown: head as broad as the chest, dark tawny on the crown, pale tawny in front towards the clypeus, which is hoary, and armed behind with a few black bristles, and on the fore part with more and longer white bristles; hind head and under-side also hoary and clothed with white hairs, the former beset with a row of black bristles: eyes dark bronze; fore part very slightly convex, not very distinct from the other part, but composed of rather larger facets: lip black, shining, clothed at the base with long, and at the tip with short pale tawny hairs: feelers black; first and second joints beset with short black bristles; second joint much shorter than the first; third joint spindle-shaped, hardly longer than the first; fourth and fifth joints like a bristle, but stouter than usual, and about half the length of the third: chest with three tawny stripes, clothed with black hairs, and beset on each side and behind with black bristles; sides and breast dark tawny: abdomen gray, with a dark tawny tinge, decreasing in breadth from the base to the tip, clothed with pale yellow hairs, narrower than the chest, and about twice its length; segments from the third to the eighth successively decreasing in length; ninth segment longer than the eighth, black, shining, ferruginous beneath: legs tawny, clothed with yellow hairs and beset with some black bristles, which are most thick on the feet; hips and thighs black; hips clothed with tawny down; thighs with tawny tips; tips of the shanks and of the feet black; each shank with a black stripe; hind shanks sometimes black, with tawny tips; claws black, tawny at the base; foot-cushions dark tawny: wings colourless, light brown at the tips; disks of some of the areolets in the middle and along the hind border also pale brown; wing-ribs ferruginous; veins black, piceous towards the base, where they are ferruginous; poisers tawny. *Female.*—Abdomen dark tawny, tapering from the base to the tip, about thrice the length of the chest; segments from the third to the eighth successively decreasing in length; ninth segment slender, black, shining, longer than the eighth. Length of the body 6½—9 lines; of the wings 8—10 lines.

a. Nova Scotia. From Lieut. Redman's collection.

ASILUS Agrius, n. s., mas. A. Lecythi, var.? *Fulvus, pectore cano, abdomine flavo-fusco sericeo vittis tribus nigris, antennis nigris, articulo 3° basi fulvo, pedibus fulvis, femoribus nigris, tibiis piceo cinctis apiceque piceis, tarsorum articulis apice piceis, alis limpidis apicibus marginibusque posticis cinereis.*

Body tawny: head nearly as broad as the chest, thickly clothed behind and beneath with yellow hairs, beset with black bristles along the upper borders of the eyes; crown and tubercle of the eyelets covered with a few black hairs; front and clypeus covered with shining yellowish white down, the latter prominent, and beset with black bristles behind and with white bristles in front: eyes very dark bronze; fore part nearly flat, with facets larger than those of the other part: feelers black, as long as the head; first joint linear; second joint club-shaped, much shorter than the first; third joint much longer than the first and the second, tawny at the base, linear for two-thirds of the length, and tapering thence to the tip; fourth and following joints forming a spine, which is nearly half the length of the third: lip black, clothed at the tip with short tawny hairs; palpi black, beset with black hairs: chest very thinly clothed with short tawny hairs, and beset on each side with long black bristles; its disk black: breast with a hoary tinge, furnished with very few yellow hairs: abdomen silky yellowish brown, tapering from the base to the tip, narrower than the chest and rather more than twice its length, clothed with short yellow hairs, beset on the sides of the hind border of each segment with two or three tawny bristles, adorned with three irregular black stripes, which are interrupted on the hind borders of the segments: fore border of each segment, and especially of the third, with a cross row of black punctures; first segment very short; second segment short, very convex, most thickly clothed on each side with white hairs, and beset with a few tawny and black bristles; third segment long; the following segments successively decreasing in length; eighth segment shorter than the seventh; ninth segment extremely short; appendages large, black: legs tawny, thickly clothed with short bright tawny hairs, and beset with some black bristles, which on the shanks are more numerous than on the thighs, but less so than on the feet; hips and thighs black, tips of the latter ferruginous; shanks with a piceous band in the middle, their tips and the tips of the joints of the feet are also piceous; claws black, tawny at the base; foot-cushions tawny: wings colourless, gray at the tips and along the hind borders; in the middle of the wing the gray appears only on the disks of the areolets, but it colours the whole of them on the borders; wing-ribs dark ferruginous; veins black, piceous towards the base; poisers tawny. Length of the body 6½ lines; of the wings 10 lines.

a. ——— ?

ASILUS apicalis, *Wied. Dipt. Exot.* i. 191, 16. *Auss. Zweif.* i. 443, 28.

a. Nova Scotia. From Lieut. Redman's collection.

In a fly of this species the little cross-vein in the middle of one wing is double.

ASILUS Sadyates, n. s., fem. *Fuscus, thorace fulvo trivittato, lateribus metathorace pectoreque canis, abdomine nigro, fasciis ventreque cinereis, antennis pedibusque nigris, tibiis tarsorumque articulis apice fulvis, alis limpidis, apicibus marginibusque posticis cinereis.*

Body brown: head as broad as the chest, covered with shining pale tawny down, clothed behind and beneath with white hairs, furnished with a row of black hairs on the crown, and beset behind the eyes with a row of black bristles; clypeus armed behind with many black bristles, and in front with a few pale yellow bristles: eyes dark bronze; fore part flat, quite distinct from the other part and with much larger facets: lip black, shining, clothed at the base with long, and at the tip with short pale yellow hairs; tongue ferruginous at the tip: feelers black; first and second joints clothed with short black bristles; second joint hardly half the length of the first; third joint slightly spindle-shaped, shorter than the first and the second; fourth and fifth joints forming a bristle, which is shorter than the third: chest covered with bright tawny down, which forms three stripes on the back, thinly clothed with short black hairs, and beset on each side and behind with black bristles: breast, hind chest, and sides of the chest hoary: abdomen black, tapering from the base to the tip, clothed with short black hairs, and at the base with some longer hoary hairs, slightly shining, a little narrower than the chest, and more than twice their length; under-side, sides, and hind borders of the segments gray; segments from the third to the seventh decreasing in length; eighth and ninth segments shining, quite black; ninth segment longer than the eighth: legs black, clothed with short yellow hairs and beset with black bristles of various length; tips of the shanks and of the joints of the feet tawny; fore shanks tawny, with black tips, and clothed as well as the fore feet with bright tawny down; claws black; foot-cushions dull tawny: wings colourless, gray at the tips and along the hind borders; wing-ribs ferruginous; veins black, piceous at the base; poisers tawny. Length of the body 7 lines; of the wings 10 lines.

a. Ohio. Presented by the Entomological Club.

ASILUS Alethes, n. s., mas. et fem. *Fuscus, thoracis vittis tribus lateribus pectoreque pallidioribus, abdominis fasciis cinereis apice nigro, antennis pedibusque nigris, tibiis tarsorumque articulis basi ferrugineis, alis limpidis, apicibus marginibusque posticis cinereis.*

Male.—Body dark brown: head a little narrower than the chest, furnished with a few black hairs on the crown, beset behind with black bristles, clothed beneath with pale yellow hairs; clypeus beset with black bristles behind and with pale yellow bristles in front: eyes black; fore part flat, distinct from the other part and with larger facets: lip black, shining, clothed at the base with long, and at the tip with short pale tawny hairs; palpi black, beset with long black bristles: feelers black; first and second joints beset with black bristles; second joint much shorter than the first; third joint spindle-shaped, longer than the first and the second; fourth and fifth joints like a bristle, which is much shorter than the third: chest with three paler stripes, beset on each side and behind with black bristles; sides and breast paler: abdomen clothed at the tip with yellow hairs, and towards the base with yellow bristles, narrower than the chest, and a little more than twice its length; sides and hind borders of the segments gray; third, fourth, and fifth segments long and of equal length; sixth and following segments shorter; tip black, shining: legs black, clothed with short yellow hairs, and beset with some black bristles of various length, most thick on the feet; shanks and each joint of the feet ferruginous at the base; first joint of the four front feet mostly ferruginous; claws black, ferruginous at the base; foot-cushions tawny: wings colourless, gray at the tips and along the hind borders; wing-ribs ferruginous; veins black, piceous towards the base; foot-cushions ferruginous; poisers tawny. *Female.*—Abdomen tapering from the base to the tip, about thrice the length of the chest; segments from the third to the eighth successively decreasing in length; ninth segment slender, black, shining, narrower than the eighth: hind feet, and nearly the whole of the other feet quite black. Length of the body 7—8 lines; of the wings 10—12 lines.

a. New York. Presented by the Entomological Club.

ASILUS Antimachus, n. s. *Fuscus, flavo pilosus, thoracis vitta unica pallida lateribus pectoreque albido-fulvis, abdomine apice nigro, pedibus ferrugineis, alis limpidis, apicibus marginibusque posticis subfuscis.*

Body brown: head as broad as the chest, clothed with pale tawny down, thickly covered behind with pale yellow hairs and some

black bristles; crown furnished with a few black hairs; under-side thickly clothed with white hairs; clypeus armed with a thick tuft of pale yellow bristles: eyes dark bronze; fore part flat, very distinct from the other part and with larger facets: lip black, shining, clothed at the base with long, and at the tip with short yellow hairs: feelers black; first and second joints beset with black bristles: chest with a slender indistinct pale stripe, clothed with short black hairs, beset with black bristles on each side; sides and breast whitish tawny: abdomen compressed, tapering from the base to the tip, thinly clothed with short yellow hairs, and on the hind borders of the segments with yellow bristles, much narrower than the chest and nearly thrice its length; segments from the third to the fifth long, and of equal length; sixth joint shorter; seventh joint still shorter; eighth joint as long as the seventh; ninth joint longer, black, slender, shining: legs ferruginous, clothed with short yellow hairs, and beset with some stout black bristles of various length; hips whitish tawny, and clothed with white hairs: thighs furnished with some long pale yellow hairs; feet more thickly armed with bristles; claws black; foot-cushions pale brown: wings colourless, pale brown towards the tips, and on the disks of the segments along the hind borders for half the length from the tips; wing-ribs ferruginous; veins black, piceous towards the base, where they are ferruginous; poisers tawny. Length of the body 8½ lines; of the wings 12 lines.

a. Trenton Falls. Presented by E. Doubleday, Esq.

Asilus Paropus, n. s., fem. *Flavo-fuscus, thoracis lateribus pectoreque canis, abdomine apice nigro, antennis nigris, pedibus flavis, femoribus apice nigris basi fasciisque fulvis, alis cinereis basi limpidis.*

Head as broad as the chest, clothed with pale yellow down, furnished behind with yellow hairs, and with a row of black bristles along the rims of the eyes; crown beset with some black hairs; clypeus armed with black bristles behind, and with white bristles in front: eyes black; fore part slightly convex, hardly distinct from the other part, and its facets are not much larger: lip black, shining: feelers black; first and second joints beset with black bristles; third joint spindle-shaped, a little longer than the first and the second; fourth and fifth joints slender, not one-third of the length of the third: chest yellowish brown, furnished with some black hairs; sides and breast hoary, the former beset with black bristles: abdomen yellowish brown, clothed with very short yellow hairs, and towards the tip with long black hairs, narrower than the chest, and more than twice its length; third, fourth, and fifth segments long,

and of equal length; sixth segment a little shorter; seventh and eighth segments still shorter; ninth segment longer, compressed, slender, black, shining: legs yellow, clothed with short yellow hairs, and beset with black bristles of various length, and most thick on the feet; tips of the thighs tawny; shanks tawny at the base; fore and middle shanks with a broad tawny band; first joint of the feet tawny, with a black tip; second and following joints tawny at the base; claws black, ferruginous at the base; foot-cushions pale brown: wings gray, colourless at the base and along the fore border for half the length and on some parts of the disk; wing-ribs ferruginous; veins black, piceous towards the base, where they are ferruginous; poisers tawny. Length of the body 7 lines; of the wings 10 lines.

a. New York. Presented by E. Doubleday, Esq.

Asilus Orphne, n. s., fem. *Cinereus, thoracis vittis tribus canis, abdomine apice nigro, antennis pedibusque nigris, tibiis flavis apice nigris, tarsis basi piceis, alis limpidis.*

Body gray: head as broad as the chest, covered above with yellow down, covered behind with tawny hairs, and more thickly beneath with pale yellow hairs; crown and front of the head furnished with some black hairs; clypeus adorned with a thick tuft of shining pale yellow hairs: eyes dark green; front part slightly convex, its facets rather larger than those of the other part, but they all blend with each other in size, and the bounds of the two parts are indistinct: lip black, clothed at the base with long yellow hairs and at the tip with short yellow hairs; palpi black, beset with black bristles: feelers black; first and second joints beset with black bristles; second joint about half the length of the first, tawny at the tip; third joint spindle-shaped, as long as the first and the second joints; fourth and fifth joints slender, a little shorter than the third joint: chest with three hoary stripes, beset on each side and behind with black bristles: abdomen tapering from the base to the sixth segment, thinly clothed with short white hairs and at the base with long yellow hairs, narrower than the chest and rather less than thrice its length; sixth and following segments black and shining; seventh, eighth and ninth segments long, compressed, slender, forming a tail: legs black, clothed with yellow hairs and beset with some black bristles, which are thickest and most numerous on the feet; shanks bright yellow, with black tips; feet tawny at the base; claws black; foot cushions pale brown: wings quite colourless; wing-ribs ferruginous; veins black, piceous towards the base, where they are

ferruginous; poisers tawny. Length of the body $6\frac{1}{2}$ lines; of the wings 11 lines.

a. New York. Presented by the Entomological Club.

In a fly of this species the little cross-vein in the middle of one wing is double.

ASILUS Cœdicius, n. s., fem. *Cinereus, thoracis vittis quatuor canis, pectore albo, abdominis lateribus ventreque canis, antennis nigris, pedibus fulvis, femoribus cinereis, alis subcinereis.*

Body hoary: head nearly as broad as the chest, covered with silvery down, thickly clothed behind and beneath with white hairs; crown beset with a few black hairs; front furnished with a few white hairs; clypeus prominent, armed with tawny and black bristles: eyes bronze; fore part slightly convex, its facets rather larger than those of the other part: feelers black; first and second joints beset with black hairs; second joint slightly club-shaped, about half the length of the first: third joint slightly tapering from the base to the tip, as long as the first; bristle nearly as long as the third joint: lip black, clothed at the tip with short tawny hairs; palpi black, clothed with black hairs: chest gray, with indistinct hoary stripes, thinly clothed with black hairs, beset on each side and behind with black bristles: breast white: abdomen gray, narrower than the chest and more than twice its length, slightly tapering from the base to the tip, thinly clothed with hoary hairs, hoary beneath and on the sides of the segments of the back; first and second segments short; second segment arched, adorned with a tuft of hairs on each side; third and following segments long; tip black, shining, compressed: legs gray, thinly clothed with short black hairs, armed with black spines; shanks tawny, darker towards the tips; feet dark tawny, with piceous tips; claws black; foot-cushions tawny: wings with a slight gray tinge; wing-ribs piceous; veins black; poisers tawny. Length of the body 5—$5\frac{1}{2}$ lines; of the wings 8—9 lines.

a. New Holland. Presented by the Haslar Hospital.

ASILUS varius, *White, Zool. Voy. Erebus and Terror.* Mas. *Fuscus, capite fulvo, thoracis vittis tribus fasciis utrinque duabus obliquis lateribus pectoreque flavo-albis, abdominis segmentorum marginibus posticis flavis, ventre fulvo, antennis pedibusque nigris, tibiis rufis, alis limpidis.*

Body dark brown: head tawny, as broad as the chest, clothed behind and beneath with white hairs, and above with black hairs, beset with black bristles along the upper hind borders of the eyes; front clothed with golden down; clypeus thickly beset with black bristles: eyes dark red; fore part flat, composed of larger facets

than is the other part: lip black, shining, clothed at the tip with short tawny hairs: palpi black, beset with black bristles: feelers black; first and second joints thickly clothed with black hairs; second joint club-shaped, much shorter than the first; third joint with a piceous tinge, tapering from the base to the tip, rather longer than the first and the second joints; fourth and following joints forming a bristle, which is a little shorter than the third joint: chest adorned with three bright yellowish white stripes; middle stripe very slight and indistinct; side stripes joined by two oblique bands with the sides of the chest, which, like the breast, are also bright yellowish white; sides and side stripes beset with long black hairs and bristles; scutcheon and hind chest pale tawny: abdomen thinly clothed with short tawny hairs; hind borders of the segments pale bright yellow, clothed on each side towards the base with tawny bristles; first and second segments very short; third and following segments long, but successively decreasing in length; appendages at the tip very large, black, shining, clothed with tawny and black hairs and with some black bristles; under-side tawny: legs black, thick, clothed with short ferruginous hairs and beset with stout black spines; shanks red, with black tips; claws black; foot-cushions dull tawny: wings colourless, with very slight tawny streaks along the veins, gray at the tips and on the disks of the areolets along the hind borders; wing-ribs and veins black; poisers yellow. *Fem.*—Abdomen full twice the length of the chest; segments from the seventh to the ninth compressed, black, shining: tips of the wings paler than those of the male. Length of the body 6½—8½ lines; of the wings 11—12 lines.

a. New Zealand. Presented by Dr. A. Sinclair.
b. New Zealand. From Mr. Earl's collection.

Asilus flavicornis? *Macq. Dipt. Exot.* i. 2, 142, 17.
a. N. India. From Mr. L. James's collection.

Asilus Antilco, n. s., fem. *Cinereus, capite fulvo, thoracis vittis tribus lateribus pectoreque canis, abdominis apice nigro attenuato, antennis pedibusque nigris, tibiis fulvis apice nigris, alis limpidis.*

Body gray: head full as broad as the chest, pale tawny in front and behind, and thickly clothed there with short white hairs, beset behind the eyes with a row of black bristles; crown covered with a few black hairs; clypeus beset with black hairs and black bristles and with a very few white bristles: eyes large, dark bronze; fore part nearly flat, its facets very little larger than those of the other part: lip and palpi black, the latter and the tips of the former

clothed with tawny hairs: feelers black, full as long as the head; first and second joints clothed with black hairs; second joint cup-shaped, shorter than the first, which is linear; third joint spindle-shaped, as long as the first and the second joints; fourth and following joints like a bristle, which is longer than the third joint: chest with three indistinct hoary stripes, thinly clothed with short black hairs and beset on each side and behind with black bristles: breast and sides of the chest hoary, thinly clothed with short white hairs: abdomen compressed, much narrower than the chest and more than twice its length, thinly clothed with white hairs; first and second segments short; second segment very convex; third and following segments long; last segment black, shining, very long, like a tail: legs black, clothed with very short black hairs and beset with black spines; shanks tawny, with black tips; claws black, tawny at the base; foot-cushions dull tawny: wings colourless; wing-ribs piceous; veins black; poisers tawny. Length of the body 8 lines; of the wings 11 lines.

a. Port Stephen, New Holland. Presented by the Earl of Derby.

Asilus Echepolis, n. s., mas. *Cinereus, thoracis vittis tribus nigris, abdominis segmentorum marginibus posticis canis, antennis nigris apice fulvis, pedibus fulvis, femoribus nigris, tibiis apice piceis, tarsis nigris apice piceis, alis limpidis.*

Head narrower than the chest, covered with hoary down, clothed behind and beneath with white hairs, beset behind the eyes with a row of black bristles; crown beset on each side with black hairs; front and clypeus covered with yellow down; clypeus thickly armed with black bristles: eyes dark bronze; fore part flat, its facets rather larger than those of the other part; lip black, clothed at the tip with short tawny hairs; palpi black, beset with long black hairs: feelers black; first and second joints beset with long black hairs; second joint not half the length of the first; third joint tawny, tapering from the base to the tip, as long as the first; bristle rather stout, a little longer than the third joint: chest and breast gray: chest thickly clothed with rather long black and hoary hairs, beset on each side and behind with black bristles, adorned with three black stripes; middle stripe slender, linear; side stripes shorter and broader: abdomen black, shining, narrower than the chest and full twice its length, slightly tapering from the base to the tip, thickly clothed with long hoary hairs, beset with some black bristles on the sides of the hind borders, which are hoary; first and second segments very short; third and following segments long, successively decreasing in length: legs bright tawny, clothed with short black and longer hoary hairs, armed with black bristles; hips and thighs

black; tips of shanks piceous; feet black, tawny at the base; foot-cushions piceous: wings colourless; wing-ribs piceous; veins black; poisers pale tawny. Length of the body 5½ lines; of the wings 8 lines.

a. ——— ?

Asilus Thimbro, n. s., mas. et fem. *Fulvus, thoracis vittis quatuor obscurioribus, lateribus pectoreque canis, abdominis segmentorum marginibus posticis cinereo-fulvis, antennis fulvis apice piceis, pedibus fulvis, alis limpidis, apicibus marginibusque posticis cinereis.*

Male.—Head as broad as the chest, covered with white down, clothed behind and beneath with white hairs; crown covered with tawny down, beset on each side with a few black hairs; front and clypeus covered with pale yellow hairs; clypeus armed with long pale yellow bristles: eyes dark reddish bronze; fore part flat, its facets much larger than those of the other part: lip black, clothed at the tip with short tawny hairs; palpi red, beset with long tawny hairs: feelers tawny; first and second joints beset with short black bristles; second joint about half the length of the first; third joint piceous, spindle-shaped, tawny at the base, as long as the first joint: bristle black, rather stout, much longer than the third joint: chest light tawny, clothed with short black hairs, beset on each side and behind with black bristles, adorned with four darker tawny stripes; middle stripes narrow, linear; side stripes shorter, broader, and irregular: breast and sides of the chest hoary: abdomen nearly linear and cylindrical, very much narrower than the chest, and more than twice its length, clothed with short pale yellow hairs, and towards the base with longer hairs; first and second segments very short; second segment arched; third and following segments long, successively decreasing in length to the tip, which is shining; hind borders of the segments grayish tawny, armed on each side with long black and white bristles; sexual parts large, piceous, shining: legs tawny, clothed with short black hairs, armed with long black spines; claws black, tawny at the base; foot-cushions tawny: wings colourless, gray at the tips and along the hind borders; wing-ribs tawny; veins black, tawny at the base; poisers tawny. *Female.*—Abdomen about thrice the length of the chest; its tip black, shining, and compressed. Length of the body 7—8 lines; of the wings 11—12 lines.

a. ——— ?

Asilus Margitis, n. s., fem. *Fuscus, thoracis vittis tribus pallidioribus, lateribus pectoreque canis, abdominis segmentorum marginibus posticis albis, apice compresso nigro nitente, antennis pedibusque nigris, tarsis basi tibiisque fulvis, alis limpidis apice subfuscis.*

Head as broad as the chest, covered with hoary down, thickly clothed behind and beneath with white hairs, beset behind the eyes with a row of short slender black bristles; crown brown, beset on each side with black hairs; clypeus prominent, armed with long white bristles and with a few black bristles: eyes reddish bronze; fore part flat, its facets larger than those of the other part: lip black, clothed at the tip with short whitish hairs; palpi black, beset with black hairs; first and second joints of the feelers black, beset with black hairs; second joint full half the length of the first: chest and breast hoary: fore chest short, its ridge beset with white bristles: disk of the chest dark brown, clothed with very short black hairs, beset on each side and behind with black bristles, adorned with three indistinct pale brown stripes: abdomen dark brown, narrower than the chest and more than twice its length, tapering from the base to the tip, thinly clothed with short black hairs, beset towards the base with a few long black and white hairs and bristles; first and second segments hoary, very short; second segment beset on each side with a tuft of white hairs and a few black bristles; third and following segments long, successively decreasing in length; hind borders of the segments white; tip compressed, black, shining: legs black, clothed with short whitish hairs, armed with black and white spines: shanks dark tawny, piceous at the tips; feet dark tawny at the base; foot-cushions piceous: wings colourless, slightly tinged with brown towards the tips; wing-ribs tawny; veins black, piceous towards the base; poisers tawny. Length of the body $4\frac{1}{2}$ lines; of the wings 7 lines.

a. New Holland. Presented by J. Hunter, Esq.

Asilus Ochesius, n. s., fem. *Cinereus, thoracis vittis tribus nigris, abdomine fusco fasciis canis, apice compresso nigro nitente, ventre cinereo, antennis pedibusque nigris, tibiis tarsisque fulvis, alis subfuscis.*

Head narrower than the chest, covered with hoary down, clothed behind and beneath with white hairs, beset behind the eyes with very long black hairs; crown dark tawny, beset on each side with black hairs; tubercle of the eyelets beset with black bristles: front pale tawny; clypeus prominent, beset with long white and black bristles: eyes reddish bronze; fore part flat, its facets a little

larger than those of the other part: lip black, clothed at the tip with short whitish hairs; tongue tawny; palpi black, beset with black hairs: feelers black; first and second joints beset with black hairs; second joint cup-shaped, about half the length of the first; third joint obconical at the base, tapering thence to the tip, a little shorter than the first and the second joints; bristle stout, as long as the third joint, widened near the tip, which is much more slender than any other part: chest and breast gray: chest clothed with long black hairs, beset on each side and behind with black bristles, adorned with three black stripes; middle stripe tapering from the fore border to the hind border; side stripes broader and shorter, each interrupted by an oblique gray band: breast partly clothed with white hairs: abdomen dark brown, clothed with short black hairs, beset on each side with long white hairs, narrower than the chest, and much more than twice its length, tapering from the base to the tip, which is compressed, black, and shining; hind borders of the segments hoary; under-side gray; first and second segments short; third and following segments long, successively decreasing in length: legs black, clothed with short white hairs, armed with long black spines; hips and thighs clothed with long white hairs; hips gray; shanks and feet tawny, piceous towards the tips; claws black, tawny towards the base; foot-cushions tawny: wings very slightly tinged with brown; wing-ribs and veins black; poisers tawny. Length of the body 4 lines; of the wings 8 lines.

a. ———? From Mr. Children's collection.

Asilus Dasius, n. s., fem. *Fuscus, thoracis vittis obscurioribus, abdominis fasciis fulvis, apice compresso nigro nitente, antennis nigris, pedibus rufis, femoribus tibiisque apice piceis, tarsis nigris, alis limpidis.*

Head as broad as the chest, covered with hoary down, clothed behind and beneath with white hairs, beset behind the eyes with white bristles; clypeus armed with long white bristles and hairs: eyes reddish bronze; fore part flat, composed of large facets: lip black, clothed at the tip with short whitish hairs: feelers black; first and second joints beset with a few black hairs; second joint about half the length of the first; third joint tapering from the base to the tip, nearly as long as the first and the second; bristle stout, shorter than the second: chest and breast dark tawny: chest clothed with very short black hairs, beset on each side and behind with some black bristles, adorned with indistinct darker stripes: abdomen brown, narrower than the chest, and much more than twice its length, thinly clothed with short pale hairs, tapering from

the base to the tip, which is compressed, black, and shining; hind borders of the segments tawny; under-side tinged with gray; first and second segments very short; third and following segments long, successively decreasing in length: legs red, thinly clothed with short black hairs, armed with black spines; hips covered with dark tawny down; tips of thighs and of shanks piceous; feet black, red at the base; foot-cushions tawny: wings colourless: wing-ribs ferruginous; veins black, piceous at the base; poisers tawny. Length of the body 6½ lines; of the wings 10 lines.

a. ——— ?

Asilus Mucius, n. s., fem. *Fuscus, thoracis vittis tribus lateribusque fulvis, pectore cano, abdomine cinereo fasciato apice nigro compresso, antennis nigris, pedibus fulvis, femoribus et tibiis apice tarsisque nigris, femoribus posticis nigro vittatis, alis subcinereis.*

Body brown: head full as broad as the chest, covered with white down, clothed behind and more thickly beneath with white hairs; crown, front, and clypeus covered with yellow down; clypeus armed with a few yellowish white bristles: eyes dark bronze; fore part slightly convex, its facets rather larger than those of the other part: lip black, clothed at the tip with short yellow hairs; palpi black: feelers black; first and second joints beset with a few short black bristles; second joint club-shaped, about half the length of the first; third joint tapering from the base to the tip, rather shorter than the first; bristle rather stout, much longer than the third joint; chest thinly clothed with very short black hairs, beset on each side and behind with a few white bristles, adorned with tawny sides and with three tawny stripes: middle stripe slender; side stripes broader, widened in front: breast hoary: abdomen slender, brown, very thinly clothed with short pale hairs, a little narrower than the chest, and much more than twice its length, linear till near the tip, where it is compressed, black, and shining; hind borders of the segments gray; first and second segments very short; third and following segments long, successively decreasing in length; under-side hoary: legs tawny; hips gray; feet and tips of thighs and of shanks black; foot-cushions dark tawny; hind thighs streaked with black: wings with a slight gray tinge; wing-ribs ferruginous; veins black, ferruginous towards the base; poisers tawny. Length of the body 5 lines; of the wings 8 lines.

a. Monte Video. Presented by C. Darwin, Esq.

Asilus Corissus, n. s., mas. *Fuscus, thorace fulvo pubescente vittisque quatuor fuscis ornato, abdominis apice fulvo fasciato, antennis pedibusque nigris, tibiis fulvis apice nigris, alis nigro-fuscis.*

Body dark brown: head nearly as broad as the chest, covered with golden down, beset behind the eyes with a row of black bristles, thickly clothed beneath with white hairs; sides of the crown beset with black hairs; clypeus very prominent, armed with long black bristles: eyes bright copper-colour, especially on the fore part, which is slightly convex, but its facets are much larger than those of the other part; lip black, clothed at the tip with short tawny hairs; palpi black, beset with long black hairs: feelers black; first and second joints beset with a few black hairs; second joint a little more than half the length of the first; third joint slender, about twice the length of the second, tapering from the base to the tip; bristle much longer than the third joint; chest and breast covered with dark tawny down: chest beset on each side and behind with black bristles, adorned with four dark brown stripes; middle stripes linear and narrow; outer pair shorter and broader, connected with the sides by two oblique tawny bands: abdomen tawny towards the tip, much narrower than the chest, and rather more than twice its length, slightly tapering from the base to the tip, clothed with hoary hairs, which are longest and most thick towards the base; sexual parts piceous, and clothed with black hairs; the first and second segments very short; third and following segments successively decreasing in length: legs black, clothed with black hairs, armed with black spines; shanks bright tawny, with black tips, clothed with short tawny hairs, as are also the feet on the under-side; foot-cushions piceous: wings very dark brown; wing-ribs and veins black; poisers piceous. Length of the body 11 lines; of the wings 18 lines.

a. ——?

Asilus Scaurus, n. s., mas. *Canus, thoracis vittis quinque fuscis, abdomine fusco-fulvo, antennis nigris, pedibus ferrugineis, femoribus nigro vittatis, tarsis nigris, alis albidis.* Allied to A. dorsiger, *Wied. Auss. Zweif.* i. 436, 17.

Head narrower than the chest, covered with white down, which has a yellow tinge in some parts, clothed behind and beneath with white hairs, beset behind the eyes with a few black bristles; sides of the crown clothed with white hairs; clypeus prominent, thickly armed with long yellowish white bristles: eyes dark bronze; fore part flat, its facets a little larger than those of the other part: lip black, clothed at the tip with short tawny hairs: palpi black, beset

with long hoary hairs: feelers black; first and second joints clothed with whitish hairs; first joint red at the tip; second joint more than half the length of the first; third joint spindle-shaped, more than twice the length of the second; fifth joint very thick, like a stout spine, a little shorter than the third: chest and breast hoary: chest thickly clothed with very short black hairs, beset on each side and behind with a few black bristles, adorned with five brown stripes; the two stripes on each side incompletely divided; hinder part and sides of the chest, fore chest and breast clothed with whitish hairs: abdomen fawn-colour, narrower than the chest, and more than twice its length, tapering from the base to the tip, clothed with very short pale yellow hairs; sides of the hind borders of the segments armed with two or three long pale yellow bristles; first and second segments very short; third and following segments long, successively decreasing in length; tip piceous in the male, black, and slightly compressed in the female: legs ferruginous, clothed with pale yellow hairs, armed with long pale yellow spines; feet black; thighs striped with black; hind thighs nearly all black; claws black, red at the base; foot-cushions ferruginous: wings whitish; wing-ribs ferruginous: veins black, ferruginous towards the base; poisers tawny. Length of the body 12½ lines; of the wings 20 lines.

a. Tripoli.

Asilus Bulbus, n. s., mas. et fem. *Piceus, thoracis vittis tribus fulvis, humeris pectoreque ferrugineis, abdominis apice compresso, antennis nigris, pedibus ferrugineis, tarsis nigris, alis albidis apice fuscis.*

Body piceous: head narrower than the chest, covered with tawny down, clothed behind and beneath with pale yellow hairs, beset behind the eyes with some black bristles; sides of the crown thickly covered with black hairs; clypeus thickly armed with long black bristles: eyes dark bronze; fore part flat, its facets somewhat larger than those of the other part: lip black, clothed at the tip with short tawny hairs; palpi black, clothed with long pale yellow hairs; tongue ferruginous: feelers black; first and second joints beset with black hairs; second joint full half the length of the first; third joint rather broad, obconical at the base, tapering thence to the tip, beset with a very few short and slender hairs; bristle stout, nearly as long as the third joint: chest thinly clothed with short black hairs, beset on each side and behind with a few black bristles, adorned with three dark tawny stripes; middle stripe very slender; side stripes connected by two oblique tawny bands with the sides of the chest, which are also tawny; shoulders and breast ferruginous, the latter covered with a gray bloom: abdomen narrower than the

chest, rather more than twice its length in the male, and about thrice its length in the female, tapering from the base to the tip, compressed and lengthened towards the tip in both sexes, clothed with short black hairs and with a few long whitish hairs, the latter are chiefly towards the base and on the under-side; first and second segments short; third and following segments long: legs dark ferruginous, clothed with short black hairs, armed with black spines; feet black; foot-cushions piceous: wings whitish, brown at the tips; wing-ribs piceous; veins black, piceous towards the base; poisers tawny. Length of the body 6½—10 lines; of the wings 12—15 lines.

Var. β. Thighs black.

a. Colenso, New Zealand. Presented by Dr. Hooker.

Asilus Lascus, n. s., mas. et fem. *Fuscus, thoracis vittis tribus fulvis, pectore cano, abdomine piceo,* fem. *apice compresso, antennis nigris,* fem. *fulvo cinctis, pedibus piceo-fulvis, alis subfulvis, apicibus marginibusque posticis cinereis.*

Body slender, brown: head as broad as the chest, covered with dark tawny down, beset behind the eyes with a few black bristles, thinly clothed beneath with whitish hairs; clypeus armed with long white bristles: eyes bronze; fore part nearly flat, its facets larger than those of the other part; lip black, clothed at the tip with short white hairs; palpi black, beset with long black hairs: feelers black; first and second joints beset with a few black hairs; second joint slightly club-shaped, tawny in the female, rather more than half the length of the first; third joint tapering from the base to the tip, as long as the first and the second, tawny at the base in the female; bristle stout, rather more than half the length of the third joint: chest beset on each side and behind with a few black bristles, adorned with three incomplete tawny stripes; sides also tawny: breast hoary: abdomen piceous, narrower than the chest, and more than twice its length, clothed with tawny hairs, slightly tapering from the base to the tip; first and second segments very short; third and following segments long, successively decreasing in length; sexual parts of the male small; tip of the female compressed: legs dull tawny, clothed with short tawny hairs, armed with long tawny bristles; thighs and shanks striped with piceous colour, especially towards the tips; feet piceous, tawny at the base; claws black; foot-cushions tawny: wings light tawny, gray at the tips and along the hind borders; wing-ribs piceous; veins black, piceous at the base; poisers tawny. Length of the body 5—6 lines; of the wings 9—11 lines.

a. Colenso, New Zealand. Presented by Dr. Hooker.

Asilus germanicus, *Linn. Gmel. Ed. Syst. Nat.* v. 2898, 12. *Fabr. Sp. Ins.* ii. 464, 19. *Ent. Syst.* iv. 383, 31. *Herbst. Gim. Nat.* viii. *pl.* 346, *f.* 6. *Schrank. Faun. Boic.* iii. 2546. *Frisch. Ins.* iii. *pl.* 7. *Panz. Faun. Germ.* vii. 19. *Schæff. Icon. pl.* 48, *f.* 9, 10. *Fall. Dipt. Suec. Asil.* 82. *Meig. Dipt.* ii. 318, 18. *Curt. Brit. Ent.* 46. *Macq. Hist. Nat. Dipt.* i. 305, 9. A. tibialis, *Fabr. Ent. Syst.* iv. 383, 30. Dasypogon germanicus, *Fabr. Syst. Antl.* 169, 21. D. tibialis, *Fabr. Syst. Antl.* 168, 20.
a. England.

Asilus fimbriatus, *Meig. Dipt.* ii. 320, 20.
a. England.

Asilus albiceps, *Meig. Dipt.* ii. 312, 8.
a. England.
b. South of France. Presented by the Entomological Club.
c. South of France. Presented by F. Walker, Esq.

Asilus forcipatus, *Linn. Faun. Suec.* 1914. *Gmel. Ed. Syst. Nat.* v. 2889, 13. *Fabr. Sp. Ins.* ii. 463, 18. *Ent. Syst.* iv. 382, 29. *Schrank. Faun. Boic.* iii. 2547. *Ins. Austr.* 997. *Latr. Gen. Crust.* iv. 298. *Fall. Dipt. Suec. Asil.* 93. *Meig. Dipt.* ii. 313, 11. *Macq. Hist. Nat. Dipt.* i. 308, 21. *Zett. Ins. Lapp.* 505, 1. Dasypogon forcipatus, *Fabr. Syst. Antl.* 167, 17. Asilus cinereus, *Deg. Ins.* vi. 98, 8, *pl.* 14, *f.* 5, 9.
a. France.

Asilus opacus, *Gürtl. Meig. Dipt.* ii. 315, 13. *Zell. Ent. Zeit. Stett.* 1847, v. 280, 8.
a. England.

Asilus trigonus, *Meig. Klass. Zweif.* 247, 7. *Dipt.* ii. 23. *Macq. Hist. Nat. Dipt.* i. 308, 22. *Loew, Isis.* 1840, 542, 8. *Linn. Ent.* iii. 443, 8. A. hispidus, *Zeller, Isis.* 1840, 71, 22. *Zett. Dipt. Scand.* i. 176, 10. A. albipilus? *Meig. Dipt.* vi. 331, 57, 8. A. pullus? *Meig. Dipt.* vi. 331, 58.
a. France.

Asilus æstivus, *Schrank. Ins. Austr.* 996. *Gmel. Ed. Syst. Nat.* v. 2901, 46. *Meig. Dipt.* ii. 316, 15. *Macq. Hist. Nat. Dipt.* i. 304, 7. *Zett. Ins. Lapp.* 505, 2. A. niger, *Deg. Ins.* vi. 99, 9, *pl.* 14, *f.* 12. A. tibialis, *Fall. Dipt. Suec. Asil.* 9, 4.
a. Salerno. Presented by M. A. Pierret.

Asilus cothurnatus, *Meig. Dipt.* ii. 317, 16.
a. England.

ASILUS geniculatus, *Meig. Dipt.* ii. 317, 17.
a. England.

ASILUS bifurcus, *Loew, Linn. Ent.* iii. 452, 11. A. picipes? *Meig. Dipt.* ii. 338, 51. A. varius? *Gürtl. Meig. Dipt.* ii. 329, 34.
a. England.
b. France.

ASILUS punctipennis, *Hoffmansegg, Meig. Dipt.* ii. 330, 37. *Macq. Hist. Nat. Dipt.* i. 306, 11. *Zeller, Isis.* 1840, 61, 14. *Loew, Linn. Ent.* iii. 424, 2. A. punctatus, *Meig. Klass. Zweif.* i. 248, 10.
a. France.

ASILUS varipes, *Meig. Dipt.* ii. 328, 33. *Zell. Ent. Zeit. Stett.* 1847, v. 280, 1. A. aurifluus? *Zell.* A. tenax? *Zell.* A. xanthopygus? *Ruthe.* A. macrurus? *Ruthe.*
a. England.

ASILUS inconstans, *Hoffmansegg, Meig. Dipt.* ii. 323, 25.
a. South of France. Presented by F. Walker, Esq.

ASILUS cinerarius, *Pallas, Wied. Zool. Mag.* i. 2, 29. *Meig. Dipt.* ii. 333, 43.
a. Ukraine. Presented by Dr. Dowler.

ASILUS ———
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ASILUS ———
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ASILUS ———
a. ———? From Mr. Children's collection.

ASILUS ———
a ———? From Mr. Children's collection.

OMMATIUS, *Illiger.*

OMMATIUS Pennus, n. s. *Fulvus, thoracis vittis quatuor fuscis, ventre cano, antennis rufis apice nigris, pedibus nigris, tibiis alisque fulvis.* Allied? to O. fulvidus, *Wied. Dipt. Exot.* i. 214, 3. *Auss. Zweif.* i. 420, 3.

Head as broad as the chest, covered with yellow down, clothed with yellow hairs, which are most thick beneath; tubercle of the eyelets beset with some short black bristles; clypeus very prominent, most thickly clothed with long yellow hairs and bristles; eyes dark bronze, large; fore part flat, its facets larger than those of the other part: lip black, clothed at the tip with short yellow hairs: palpi black, clothed with long yellow hairs: feelers black; first and second joints red, beset with a few short black bristles, covered with whitish bloom; second joint a little shorter than the first; third joint red at the base, tapering thence to the tip, a little shorter than the first and the second; bristle branched, tawny towards the base, longer than all the preceding joints: fore chest tawny, short, clothed with tawny hairs and bristles: chest tawny, clothed with very short black hairs, beset on each side and behind with black bristles, adorned with four indistinct brown stripes, which are widened in front: breast pale tawny, with a hoary tinge: abdomen tawny, broad, flat, tapering from the base to the tip, a little narrower than the chest and much less than twice its length; first and second segments very short; third and following segments long, successively decreasing in length; under-side hoary: legs black, clothed with short pale yellow hairs, armed with black spines; shanks bright tawny; claws piceous towards the base; foot-cushions tawny: wings tawny; wing-ribs piceous; veins ferruginous; poisers tawny. Length of the body 10 lines; of the wings 20 lines.

a. Corea. Presented by Sir E. Belcher.
b. Borneo. Presented by the Admiralty.

OMMATIUS Coryphe, n. s., mas. *Fulvus, thoracis vittis quatuor fuscis, pectore ventreque cano-flavis, antennis rufis apice nigris, pedibus nigris, tibiis fulvis, alis fulvo-cinereis.*

Body dark tawny: head as broad as the chest, covered with bright tawny down, clothed above and beneath with golden hairs,

beset behind the eyes with tawny bristles; tubercle of the eyelets furnished with tawny bristles; clypeus thickly armed with yellow hairs and bristles: eyes bronze; fore part flat, its facets much larger than those of the other part: lip black, clothed at the tip with short tawny hairs; palpi black, clothed with tawny hairs and bristles: feelers red; first and second joints clothed with short tawny hairs; second joint a little shorter than the first; third joint black, slender, spindle-shaped, about twice the length of the first; bristle black towards the tip, much longer than all the preceding joints: chest clothed with short black hairs, beset on each side and behind with black bristles, adorned with four brown stripes; middle pair of stripes interrupted, and afterwards united on the hinder part; side stripes also interrupted: breast and under-side of the abdomen pale yellow, with a hoary tinge: abdomen much narrower than the chest, and much less than twice its length, tapering from the base to the tip, clothed with tawny hairs; first and second segments very short; third and following segments long, successively decreasing in length; sexual parts ferruginous, shining: legs black, thickly clothed with short yellow hairs, armed with some black spines; shanks bright tawny, with black tips; foot-cushions tawny: wings gray, with a slight tawny tinge; wing-ribs, veins, and poisers tawny. Length of the body 9 lines; of the wings 16 lines.

a. ——— ?

Ommatius chinensis. Asilus chinensis? *Fabr. Ent. Syst.* iv. 383, 34. *Wied. Dipt. Exot.* i. 185, 6. *Auss. Zweif.* i. 434, 14. Dasypogon chinensis? *Fabr. Syst. Antl.* 169, 25.

a. Hong Kong. Presented by J. C. Bowring, Esq.

Ommatius Androcles, n. s., fem. *Fulvus, abdomine nigro, fasciis lateribus apiceque fulvis, antennis ferrugineis, pedibus nigris, tibiis fulvis, alis fulvis, apicibus marginibusque posticis cinereis.*

Body rather dark tawny: head full as broad as the chest, covered with pale golden down, and clothed with hairs of the same colour, beset behind the upper borders of the eyes with a row of tawny bristles; front dark tawny; clypeus prominent, very thickly beset with golden hairs and bristles: eyes large, dark bronze, its facets larger than those of the other part: lip and palpi black, the latter beset with black bristles; first and second joints of the feelers ferruginous, clothed with short tawny hairs; second joint shorter than the first, armed with two or three black bristles; chest thinly clothed with short black hairs, and beset with black bristles on each side and behind, when it is also slightly covered with some tawny

hairs: breast and sides of the chest paler, covered with golden down, and clothed with pale tawny hairs: abdomen black, very little narrower than the chest, but nearly twice its length, nearly linear for half its length, and thence slightly decreasing in breadth to the tip, clothed with short tawny hairs; sides and hind borders of the segments tawny, especially beneath; first and second segments short; third and following segments longer, but successively decreasing in length; tip tawny; legs stout, black, clothed with short yellow hairs, and beset with black bristles; hips covered with golden down; shanks bright tawny; tips of hind shanks black; wings tawny, gray at the tips and along the hind borders; wing-ribs and veins ferruginous, the latter piceous towards the tips; poisers tawny. Length of the body 11 lines; of the wings 22 lines.

a. Sandwich Island. Presented by Captain Beechey.

Ommatius Plautius, n. s., fem. *Fuscus, thoracis vittis tribus abdominisque segmentorum marginibus posticis fulvis, pectore ventreque cinereis, antennis pedibusque nigris, femoribus anticis apice subtus rufis, tibiis anterioribus rufis nigro variis, alis subfuscis apice fuscis.*

Body dark brown: head a little narrower than the chest, covered with hoary down beneath, and with yellow down above, clothed behind and beneath with white hairs, beset behind the eyes with a row of black bristles; sides of the crown beset with black bristles; clypeus prominent, armed with black bristles, and in front with some long pale yellow bristles: eyes large, bronze; fore part flat, its facets much larger than those of the other part: lip black, clothed at the tip with short pale yellow hairs; palpi black, clothed with long black hairs: feelers black; first and second joints beset with short black bristles; second joint less than half the length of the first: chest clothed with short black hairs, beset on each side and behind with black bristles, adorned with three slender tawny stripes; side pair connected with the sides by two oblique tawny bands: breast gray: abdomen narrower than the chest, and less than twice its length, tapering from the base to the tip, clothed with short black hairs, beset with a few black bristles on the sides of the hind borders of the segments; hind borders of the segments dull tawny; under-side gray: legs black, clothed with short whitish hairs, armed with black spines; four front shanks dark red, striped with black; fore thighs red beneath at the tips; foot-cushions piceous: wings light brown, darker at the tips; wing-ribs piceous; veins black; poisers tawny. Length of the body 12 lines; of the wings 20 lines.

a. ——— ?

Ommatius Papus, n. s., mas. *Fuscus, thoracis vittis tribus canis, lateribus pectoreque fulvis, metathorace cano, antennis pedibusque nigris, alis fuscis apice obscurioribus.*

Body dark brown: head large, as broad as the chest, covered with tawny down, clothed behind and beneath with hoary hairs, beset behind the eyes with a row of black bristles; tubercle of the eyelets, front and sides of the crown covered with black hairs; clypeus prominent, thickly beset with bright tawny hairs: eyes large, bronze; fore part flat, its facets much larger than those of the other part: lip black, clothed at the tip with short tawny hairs; palpi black, beset with long black bristles: feelers black; first and second joints beset with long black bristles; second joint about half the length of the first; third joint spindle-shaped, nearly as long as the first; bristle much longer than all the preceding joints: chest clothed with very short black hairs, beset on each side and behind with black bristles, adorned with three hoary stripes; sides and breast tawny, with a hoary tinge: hind chest hoary: abdomen narrower than the chest, and nearly twice its length, tapering from the base to the tip, clothed with tawny hairs, especially on each side towards the base; first and second segments very short; third and following segments long, successively decreasing in length; sexual parts black, shining, rather large; legs black, clothed with dark tawny hairs and black bristles; hips and thighs clothed with long and paler hairs; foot-cushions tawny: wings brown, darker towards the tips; wing-ribs piceous; veins black; poisers piceous. Length of the body 10 lines; of the wings 18 lines.

a. ———?

Ommatius Lema, n. s., fem. *Piceus, thoracis vittis tribus fulvis maculisque duabus arcuatis albis, lateribus pectoreque canis, abdominis segmentorum marginibus posticis ventreque cinereis, antennis pedibusque nigris, tibiis rufis nigro variis, alis fuscis.*

Body piceous: head nearly as broad as the chest, covered beneath with hoary down, above with yellow down, beset behind the eyes with a row of black bristles, clothed behind and beneath with white hairs; tubercle of the eyelets beset with a few black hairs; clypeus armed with very long pale yellow bristles, and on the hinder part with a few black bristles: eyes large, bronze; fore part nearly flat, its facets much larger than those of the other part: lip black, its tip clothed with short tawny hairs; palpi black, clothed with long white hairs: feelers black; first and second joints beset with short black hairs; second joint much shorter than the first; third joint short-conical, hardly more than half the length of the first and the second; bristle more than twice the length of all the preceding

joints, adorned with numerous side bristles: chest clothed with some black hairs, beset on each side and behind with a few black bristles, adorned with three indistinct tawny stripes, and on each side of the front with a semicircular white spot; fore chest, scutcheon, hind chest, and breast hoary: abdomen narrower than the chest, and less than twice its length, tapering from the base to the tip, thinly clothed with very short tawny hairs, and at the tip with some longer black hairs; hind borders of the segments and underside gray; first and second segments very short; third and following segments long, successively decreasing in length: legs black, clothed with very short tawny hairs, armed with black spines; shanks very dark red, with black tips and streaks; foot-cushions dark tawny; hips gray: wings brown; wing-ribs piceous; veins black; poisers tawny. Length of the body 9 lines; of the wings 16 lines.

a. New Holland. Presented by the Haslar Hospital.

Ommatius Cœræbus, n. s., mas. et fem. *Niger, thoracis vittis tribus aureis, lateribus pectoreque flavis, antennis pedibusque nigris, tibiis flavis apice nigris, alis subfuscis,* mari. *dilatatis.*

Body black: head narrower than the chest, covered behind and beneath with hoary down, and above with pale yellow down, beset behind the eyes with a row of black bristles, clothed beneath with white hairs; tubercle of the eyelets beset with a few black hairs; clypeus armed with many long pale yellow bristles, and on the hinder part with a few darker bristles: eyes dark bronze, large; fore part flat, its facets larger than those of the other part: lip black, clothed at the tip with short tawny hairs; palpi black, red at the tips, clothed with long black hairs: feelers black; first and second joints covered with tawny down, beset with black hairs; second joint shorter than the first; third joint long-conical, much longer than the second; bristle nearly twice the length of all the preceding joints, adorned with numerous side bristles: chest clothed with a very few short black hairs, furnished on each side and behind with some longer hoary hairs and with a few black bristles, adorned with three golden stripes; side stripes connected by two oblique golden bands with the sides of the chest, which are pale yellow like the breast; the latter has a hoary tinge: abdomen hardly half the breadth of the chest, and less than twice its length, tapering for nearly one-third of the length from the base, linear, and nearly cylindrical from thence to the tip, clothed with hoary hairs on each side, and with a few black hairs at the tip; first and second segments very short; third and following segments long, successively decreasing in length: legs black, armed with black spines; thighs and

shanks clothed with long pale yellow hairs; shanks clothed with long pale yellow hairs; shanks bright yellow, with black tips; claws tawny at the base; foot-cushions tawny: wings very light brown; each wing of the male with a brown spot below the fore border just before the part where the wing is widened by the convexity of the vein; wing-ribs piceous; veins black, dark ferruginous towards the base; poisers tawny. *Female.*—Like the male: chest narrower: wings not spotted nor widened. Length of the body 8—11 lines; of the wings 13—18 lines.

a. ——— ? From the Hardwicke bequest.
b. New Holland.
c. ——— ?

Ommatius marginellus, *Wied. Dipt. Exot.* i. 213. *Auss. Zweif.* i. 421, 5. *Macq. Hist. Nat. Dipt.* i. 314, 3. Asilus marginellus, *Fabr. Sp. Ins.* ii. 464, 22. *Ent. Syst.* iv. 384, 36. Dasypogon marginellus, *Fabr. Syst. Antl.* 170, 28.
a. South America. From Mr. Warwick's collection.
b. ——— ?

Ommatius Saccas, n. s., fem. *Fuscus, thoracis vittis tribus lateribusque fulvis, pectore albo, abdominis segmentorum marginibus posticis cinereis, antennis fulvis apice nigris, pedibus fulvis, femoribus et tibiis apice tarsisque nigris, alis sublimpidis apice fuscis.*

Body dark brown: head a little broader than the chest, covered with hoary down, clothed behind and beneath with white hairs; crown, front, and clypeus covered with tawny down; tubercle of the eyelets beset with a few black bristles; clypeus armed with a few white bristles, and on the hinder part with some longer but more slender black bristles: eyes bronze; fore part flat, its facets much larger than those of the other part: lip black, ferruginous towards the tip, where it is clothed with short yellow hairs: palpi black, clothed with a few long black hairs: feelers black; first and second joints tawny, of equal length; second joint beset with a few black bristles; third joint conical, as long as the second; bristle very much longer than all the preceding joints: chest thinly clothed with very short black hairs, beset on each side and behind with a few black bristles, adorned with three tawny stripes; each side stripe connected by two oblique tawny bands with the sides of the chest, which pass from a tawny to a hoary hue towards the white breast: abdomen much narrower than the chest, and rather more than twice its length, very slightly tapering from the base to the tip, clothed with hoary hairs; hind borders of the segments gray;

first and second segments short; third and following segments long, successively decreasing in length: legs tawny, clothed with short black hairs, beset with black spines; hips hoary; thighs and shanks more or less black towards the tips; feet black, tawny at the base foot-cushions piceous: wings nearly colourless, brown towards the tips, and thence for half the length along the hind borders; wing-ribs and veins black; poisers tawny. Length of the body 6 lines; of the wings 12 lines.

a. Jamaica. From Mr. Gosse's collection.

Ommatius Pera, n. s., fem. *Fuscus, thoracis vittis duabus cinereo-fulvis, marginibus scutelloque cinereis, pectore cano, antennis fulvis, pedibus flavis, tarsis obscurioribus, femoribus tibiisque apice nigris, alis subfuscis.*

Body brown: head full as broad as the chest, covered with hoary down, clothed behind and beneath with white hairs, beset behind the eyes with a few black bristles; tubercle of the eyelets clothed with a few black hairs; clypeus in front armed with white bristles, its hinder part and the adjoining part of the front beset with longer black bristles: eyes bronze; fore part flat, its facets much larger than those of the other part: lip black, clothed at the tip with short whitish hairs; palpi black, clothed with long black hairs: feelers pale tawny; first and second joints beset with short black hairs; second joint much shorter than the first: chest beset on each side and behind with a few white bristles, adorned with two dull grayish tawny stripes; fore chest, scutcheon, hind chest, and sides gray; breast hoary: abdomen much narrower than the chest, and nearly twice its length, almost linear from the second segment to the tip, clothed with short pale yellow hairs and with longer hairs on each side, especially towards the base; first and second segments very short; second segment broader and more convex than the third; third and following segments long, successively decreasing in length: legs yellow, clothed with pale yellow hairs, armed with pale yellow and black spines; tips of thighs and of shanks black; feet tawny, piceous towards the tips; hind feet black, piceous at the base; claws black, tawny at the base; foot-cushions tawny: wings slightly tinged with brown: wing-ribs piceous; veins black; poisers tawny. Length of the body 6 lines; of the wings 12 lines.

a. ———?

OMMATIUS Hecale, n. s., mas. et fem.? Mas. *Fuscus, thoracis vittis duabus cinereo-fulvis, marginibus scutelloque cinereis, pectore cano, antennis nigris, pedibus flavis, tarsis obscurioribus, femoribus tibiisque apice nigris, alis limpidis,* mari. *ad costam dilatatis cinereoque maculatis.*

Body brown: head as broad as the chest, covered with hoary down, clothed behind and beneath with white hairs, beset behind the eyes with a few black bristles; tubercle of the eyelets furnished with a few black hairs; front clothed with a few white hairs; clypeus armed with long white bristles: eyes bronze; fore part flat, its facets much larger than those of the other part: lip black, clothed at the tip with short tawny hairs; palpi black, clothed with long black hairs: feelers black; first and second joints beset with short black hairs; second joint much shorter than the first; third joint long-conical, a little longer than the second; bristle nearly twice the length of all the preceding joints, adorned with many side bristles: chest beset on each side and behind with a few white bristles, adorned with two dull tawny grayish stripes; fore chest, scutcheon, hind chest and sides gray; breast hoary: abdomen much narrower than the chest and nearly twice its length, nearly linear from the second segment to the tip, clothed with short pale yellow hairs, and on each side, especially towards the base with longer hairs; first and second segments very short; second segment with a slight tawny tinge, broader, and more convex than the following segments; third and following segments long, successively decreasing in length: third segment crossed by rows of black punctures: legs yellow, clothed with pale yellow hairs, armed with pale yellow and black spines; tips of thighs and of shanks black; hind feet black, piceous at the base; four front feet tawny, piceous towards the tips; claws black, tawny at the base; foot-cushions tawny: wings colourless, gray beneath the convex part of the fore border, which is less widened than that of some other species; wing-ribs ferruginous; veins black, ferruginous at the base; poisers pale tawny. *Fem.*—Feet black, piceous at the base; hind feet quite black; hind thighs mostly black: wings with a very slight brown tinge, not widened. Length of the body 7 lines; of the wings 11 lines.

a. ——— ?
b. ——— ? From Mr. Children's collection.

OMMATIUS Tarchetius, n. s. *Fulvus, thoracis vittis quatuor fuscis, pectore cano, abdomine fusco fasciis fulvis, antennis pedibusque fulvis, alis subfulvis.*

Body tawny: head narrower than the chest, hoary and clothed with white hairs behind and beneath; front and clypeus clothed

with pale yellow down, the former beset with some tawny bristles, the latter armed with long pale yellow bristles: eyes bronze; fore part flat, composed of facets larger than those of the other part, from which it is clearly distinguishable: lip black, shining, its tip ferruginous and clothed with yellow hairs; palpi black, hairy, their tips beset with bristles: feelers tawny; first and second joints clothed with very few hairs; second joint a little shorter than the first; third joint tapering from the base to the tip, much longer than the first; fourth joint or the bristle much longer than all the preceding joints: chest beset with some tawny bristles on the sides and towards the hind border; four irregular brown stripes occupy most of the disk: breast hoary, which colour blends with tawny on the sides of the chest: abdomen brown, nearly linear, much narrower than the chest and much more than twice its length, clothed with short yellow hairs; hind borders of the segments, especially on each side, tawny: legs tawny, beset with tawny bristles and hairs; hips covered with pale tawny down; trochanters and knees piceous; feet clothed with black hairs and bristles; claws black; foot-cushions tawny: wings with a tawny tinge, especially at the base and along the fore border; wing-ribs ferruginous; veins piceous, ferruginous at the base, black at the tips; poisers pale tawny. Length of the body 5 lines; of the wings 9 lines.

a. Isle of France.

Ommatius Amyclæus, n. s., mas. et fem. *Niger, thoracis vittis duabus flavis, lateribus scutello pectoreque albis, abdominis segmentorum suturis lateribusque fulvis, ventre cinereo, antennis pedibusque nigris, femoribus tibiisque basi rufis, alis subfuscis,* mari. *dilatatis.*

Body black: head nearly as broad as the chest, covered with white down, clothed behind and beneath with white hairs, beset behind the eyes with black bristles; tubercle of the eyelets beset with a few black bristles; clypeus armed with white bristles on the fore part, and with a few long black bristles behind and on the adjoining part of the front: eyes bronze; fore part nearly flat, its facets much longer than those of the other part: lip black, clothed at the tip with short yellow hairs; palpi black, yellow towards the tips, clothed with white hairs: feelers black; first joint clothed with a few tawny hairs; second joint a little shorter than the first and beset with some short black bristles; third joint conical, a little longer than the first; bristle nearly or twice the length of all the preceding joints: fore chest, scutcheon, hind chest, sides and breast white; disk of the chest black, adorned with two pale yellow slightly curved stripes, which are widened in front when they join the sides, and also behind

when they are joined together, and they have a slightly oblique band on each side: chest beset with some black bristles on each side and behind: abdomen linear, much narrower than the chest, less than twice its length, clothed with very short tawny hairs; sides and borders of the segments dull tawny; under-side gray; first and second segments very short; third and following segments long, successively decreasing in length; third, fourth and fifth segments crossed by rows of black punctures: legs black, clothed with hoary hairs, armed with black and white spines; thighs and shanks red towards the base, and this colour is most prevalent in the fore legs; thighs of the male rather thick; shanks and feet covered beneath with tawny down; foot-cushions dull tawny: wings slightly tinged with brown, widened on the fore border in the male; wing-ribs piceous; veins black, ferruginous at the base; poisers ferruginous. Length of the body 7 lines; of the wings 12 lines.

a. ——— ? From Mr. Children's collection.

Ommatius Ademon, n. s. *Niger, pectore piceo, antennis nigris, pedibus ferrugineis, alis subtus basi limpidis.*

Body black, probably overspread with brown, gray or tawny bloom, which is effaced in the specimen described: head a little broader than the chest, clothed behind and beneath with white hairs, beset with a fringe of black bristles on the crown and in front, where it is covered with black down; clypeus adorned with many bright tawny bristles: eyes dark bronze colour; fore part slightly convex, composed of large facets, which diminish as they diverge, but the boundary where they cease to decrease is distinctly marked: lip black, short, tipped with tawny hairs; palpi black, clothed with black hairs and bristles: feelers black; first joint clothed with black hairs; second joint shorter than the first, beset with black bristles; third joint oval, as long as the second; fourth joint or the bristle slender, as long as all the preceding joints, furnished with long hairs: breast piceous: sides of the chest beset with pale yellow bristles: abdomen nearly linear, slightly convex, narrower than the chest and nearly twice its length, thinly clothed with short pale hairs: legs ferruginous, clothed with short pale yellow hairs and beset with black spines and bristles; feet also covered with black hairs; claws black; foot-cushions tawny; fore legs unarmed: wings pale brown, colourless towards the base, excepting the fore border; wing-ribs and veins piceous, the latter black towards the tips; poisers piceous. Length of the body 6—6½ lines; of the wings 11—11½ lines.

a. ——— ?

Ommatius Ialmus, n. s., mas. *Fuscus, thoracis maculis duabus, metathorace pectoreque fulvis, abdomine nigro, lateribus fulvo maculatis, antennis nigris, pedibus fulvis, femoribus rufis, tarsis nigris, alis subfuscis.*

Head as broad as the chest, covered with pale tawny down, clothed behind and beneath with white hairs, thickly beset behind with black bristles; tubercle of the eyelets and sides of the crown clothed with black hairs; clypeus bright tawny, armed with black bristles: eyes large, dark bronze; fore part flat, its facets larger than those of the other part: lip black, clothed at the tip with pale yellow hairs; palpi black, beset with long black hairs: feelers black; first joint clothed with long black hairs; second joint beset with short black bristles, about half the length of the first: chest dark brown, clothed with black hairs, beset on each side and behind with black bristles, tawny behind and on each side in front: breast tawny, with a hoary tinge: abdomen black, a little narrower than the chest and much less than twice its length, tapering from the base to the tip, clothed with tawny hairs, of which there is a thick tuft at its tip; hind borders of the segments adorned on each side with triangular tawny spots; first and second segments short; third and following segments long, successively decreasing in length: legs clothed with tawny hairs, beset with black bristles; hips tawny, clothed with long pale tawny hairs; thighs red; shanks tawny, with black tips; feet black, tawny at the base; claws tawny at the base; foot-cushions tawny: wings light brown, rather darker along the borders of the veins; wing-ribs piceous; veins black, piceous towards the base; poisers tawny. Length of the body 6 lines; of the wings 11 lines.

a. New Holland. Presented by J. Hunter, Esq.

Ommatius auratus, *Wied. Dipt. Exot.* i. 213, 2. *Auss. Zweif.* i. 420, 4. *Macq. Hist. Nat. Dipt.* i. 314, 2. Asilus auratus, *Fabr. Ent. Syst.* iv. 387, 48. Dasypogon auratus, *Fabr. Syst. Antl.* 167, 12.

a. Madras. Presented by Walter Elliott, Esq.
b. East India. From Mr. Walker's collection.

Var.? *Fulvus, thorace cinereo, abdomine basi apiceque piceo, antennis fulvis apice nigris, alis subcinereis.*

Head pale tawny, as broad as the chest, armed behind with rows of black bristles, and clothed with white hairs, which are most thick beneath: clypeus very thickly clothed with pale yellow hairs and bristles: lip black, short, stout, its tip covered with a cluster of short pale yellow hairs: eyes dark bronze colour, divided as usual

into two parts, which are distinctly marked: first and second joints of the feelers tawny, short, of equal length, clothed with short black hairs; third joint spine-shaped, black, about thrice the length of the first and of the second joints; fourth joint, black, short, bristle-like: chest gray, its sides beset with a few black hairs and bristles: breast pale tawny, thinly clothed with pale yellow hairs: scutcheon of a colour between that of the chest and that of the breast: abdomen tawny, convex, nearly cylindrical, clothed with very short yellow hairs, narrower than the chest and full twice its length, slightly compressed before half its length, spindle-shaped thence to the tip; first segment piceous, very short; second segment rather short, broad and convex, and furnished on each side with a cluster of yellow hairs; third segment long; the following segments successively decreasing in length; sixth and seventh segments mostly piceous: legs tawny, thinly clothed with short yellow hairs; thighs armed with two or three spines; these are more numerous on the shanks, but abound most on the feet; claws black; foot-cushions tawny; fore legs unarmed: wings slightly gray; wing-ribs and veins ferruginous, the latter piceous towards the tips; poisers tawny. Length of the body 7½ lines; of the wings 12 lines.

a. North Bengal. From Miss Campbell's collection.

Atomosia, *Macquart.*

Atomosia incisuralis, *Macq. Dipt. Exot.* i. 2, 76, 4, *pl.* 7, *f.* 1.
a. Ohio. Presented by the Entomological Club.

Damalis, *Fabricius.*

Damalis myops, *Fabr. Syst. Antl.* 148, 4. *Wied. Auss. Zweif.* i. 417, 3. *Macq. Hist. Nat. Dipt.* i. 316, 1. D. tibialis, *Macq. Dipt. Exot.* i. 2, 154, *pl.* 12, *f.* 6.
a. ——— ?

Damalis planiceps, *Fabr. Syst. Antl.* 148, 2. *Wied. Auss. Zweif.* i. 416, 4. *Macq. Hist. Nat. Dipt.* i. 316, 2.
a. ——— ?

Damalis Andron, n. s., mas. et fem. *Fuscus, thoracis lateribus humeris scutelloque fulvis, abdomine æneo, antennis nigris, pedibus fulvis, tibiis apice piceis, alis subfulvis.*

Male.—Body brown, covered with brown down: head much broader than the chest, with a few black hairs along the borders of the eyes; clypeus armed with four long black bristles: lip black, piceous at the tip, where it is clothed with dark tawny hairs; palpi

black and beset with long black hairs: eyes coppery, large, flat on the fore side, composed of facets with three sizes; the facets in the middle of the fore part are remarkably large and are surrounded by facets of moderate size, but those in the outermost border of the eye are very small: feelers black; joints from the first to the third very short; first joint club-shaped; second joint linear, somewhat shorter than the first; third joint conical, as long as the second; fourth joint or bristle very long, thrice the length of all the preceding joints: chest thinly clothed with black hairs on the back, tawny and covered with tawny hairs on each side and behind and on the scutcheon; this tawny hue is darker on the fore sides and on the two oblique side-bands; shoulders tawny, shining: abdomen linear, with a bronze tinge, thinly clothed with black hairs, tawny and clothed with pale tawny hairs, much narrower and longer than the chest but not twice its length; first and second segments short; third and following segments longer, but successively decreasing in length to the tip: legs tawny, clothed with black hairs; hips, trochanters and tips of shanks piceous; feet dark tawny; claws black, yellow at the base; foot-cushions pale tawny; hind legs much longer than the others; hind thighs armed beneath with some black spines; hind shanks slightly curved, somewhat piceous in the middle: wings with a very slight tawny tinge; wing-ribs ferruginous; veins black, ferruginous at the base; poisers tawny, with piceous knobs. *Female.*—Rather darker than the male: first and second joints of the feelers hardly longer than broad; third joint much more slender than the first and the second: abdomen bronze, slightly spindle-shaped, twice the length of the chest, with a pale tawny spot at the base, tawny beneath, more shining than that of the male: wings darker than those of the male: knobs of the poisers pale tawny. Length of the body 4—4½ lines; of the wings 9—10 lines.

Var. *β. fem.*—Abdomen with two large pale tawny spots towards the base: wings rather dark.

a. Hong-Kong, China. Presented by J. Bowring, Esq.

Damalis fuscus, n. s., fem. *Fuscus, thoracis lateribus pectoreque canis, abdomine nigro, antennis pedibusque nigris, alis subfuscis ad costam obscurioribus.*

Body dark brown: head a little broader than the chest, thinly clothed beneath with white hairs; clypeus armed with a few black bristles: eyes bronze; fore part nearly flat, its facets much larger than those of the other part: lip black, clothed at the tip with short tawny hairs; palpi black, clothed with long black hairs: feelers

black; first and second joints very short, beset with black bristles; third joint slender, conical; bristle more than twice the length of all the preceding joints: chest thickly clothed with short hoary hairs; breast and sides of the chest hoary: abdomen black, linear, a little narrower than the chest and full twice its length, clothed (especially along the sides) with short tawny hairs; first and second segments short; third and following segments long: legs black, thickly clothed with hoary hairs; feet beset with black spines; foot-cushions tawny; claws yellow, with black tips; hind thighs thick, armed beneath with black teeth; hind shanks curved: wings light brown, darker along the fore borders; wing-ribs ferruginous; veins black, ferruginous; poisers tawny. Length of the body 4½ lines; of the wings 10 lines.

a. North Bengal. From Miss Campbell's collection.

Leptogaster, *Meigen.*

Leptogaster cylindricus, *Macq. Dipt. Nord. Asil.* ii. 1. *Zeller, Isis*, 1840, 42, 2. *Zett. Dipt. Scand.* i. 186, 1. *Loew, Linn. Ent.* ii. 403, 7. Asilus cylindricus, *Deg. Ins.* vi. 99, 10, *t.* xiv. 13. A. lividus? *Geoff. Ins.* ii. 474, 17. A. tipuloides, *Fabr. Syst. Ent.* 795, 20. *Ent. Syst.* iv. 385. *Schrank. Faun. Boic.* iii. 161, 2556. Dasypogon tipuloides, *Fabr. Syst. Antl.* 172, 37. Leptogaster tipuloides, *Meig. Klass.* i. 242, *t.* xii. 16. *Fall. Dipt. Suec. Asil.* 13, 1. L. fuscus, *Meig. Syst. Beschr.* ii. 344, 2. *Macq. Dipt. Nord. Asil.* ii. 2. Gonypes tipuloides, *Latr. Hist. Nat.* xiv. 309. G. cylindricus, *Latr. Gen. Crust.* iv. 301. *Cons. Gén.* 443. *Macq. Hist. Nat. Dipt.* i. 315, 1. G. fuscus? *Macq. Hist. Nat. Dipt.* i. 315, 3.

a. England.
b. ——— ? From Mr. Children's collection.

Leptogaster Proculus, n. s. *Niger, thoracis maculis duabus rufis, pectore cinereo, antennis piceis rufo cinctis, pedibus nigris femoribus apice rufis, tibiis fulvo vittatis, alis flavo-fuscis basi obscurioribus.*

Body black, shining: head as broad as the chest, covered with hoary down, clothed behind and beneath with short white hairs, beset behind the eyes with a few black bristles; front and clypeus covered with pale tawny down; clypeus armed with short black bristles: eyes black; fore part flat, its facets very much larger than those of the other part: lip black, clothed at the tip with short yellow hairs; palpi black, shining, clothed with long black hairs: feelers red; first joint piceous; second joint much longer than the

first, beset with a few short black bristles; third joint very slender, long spindle-shaped, piceous towards the tip, much longer than the first and the second joints; bristle black, very stout, about half the length of the third joint: chest thinly covered with very short hoary hairs, red on each side in front: breast gray: abdomen club-shaped, very slender from the base to more than half the length, widening thence to the tip, narrower than the chest and about thrice its length, thinly clothed with hoary hairs, beset with long hoary hairs and black bristles on each side towards the base: legs black, clothed with short tawny hairs, beset with a few short black spines; feet armed with long black spines; thighs red towards the tips; shanks with tawny stripes: wings yellowish brown, darkest towards the base; wing-ribs piceous; veins black, piceous towards the base; poisers tawny. Length of the body 8 lines; of the wings 12 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

LEPTOGASTER Datis, n. s. *Niger, pectore cinereo, abdominis lateribus fulvo maculatis, antennis rufis basi piceis, pedibus fulvis, tarsis piceis basi fulvis, femoribus posterioribus nigro vittatis, tibiis posticis apice piceis, alis fuscis ad costam ferrugineis.*

Body black: head a little broader than the chest: hind part and under-side covered with white down and beset with short white hairs; front and clypeus covered with pale yellow down; clypeus armed with pale yellow bristles: eyes black; fore part flat, its facets much larger than those of the other part: lip black, clothed at the tip with pale yellow hairs: feelers red; first joint piceous, clothed with a few tawny hairs; second joint longer than the first, beset with some short black bristles; third joint long spindle-shaped, much longer than the two preceding joints; bristle stout, black, about half the length of the third joint: chest thickly clothed with short tawny hairs: breast gray: abdomen club-shaped, narrower than the chest and about thrice its length, very slender from the base to more than half the length, widening thence to the tip, clothed with short tawny hairs; sides of the borders of the segments tawny: legs tawny, clothed with tawny hairs; feet piceous, armed with black spines, tawny at the base; claws black; hind thighs striped with black on each side; hind shanks piceous at the tips; middle thighs very slightly streaked with black: wings brown, ferruginous along the fore borders; wing-ribs piceous; veins black, ferruginous towards the base and along the fore borders; poisers pale ferruginous. Length of the body $5\frac{1}{2}$ lines; of the wings 8 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

LEPTOGASTER Marion, n. s. *Fuscus, thoracis lateribus pectore abdominisque fasciis canis, antennis nigris, pedibus flavis, tarsis necnon femoribus tibiisque anterioribus nigris basi flavis, alis fuscis apicibus marginibusque posticis pallidioribus.*

Body dark brown: head a little broader than the chest, clothed beneath with some white hairs; front and clypeus covered with pale yellow down; clypeus thickly clothed with pale yellow hairs: eyes black; fore part flat, its facets much larger than those of the other part: lip black, clothed at the tip with pale yellow hairs: feelers black; first and second joints very short, beset with a few short black bristles; third joint long spindle-shaped, much longer than the first and the second joints; bristle rather stout, much shorter than the third joint: chest thinly covered with short hoary hairs; sides and breast hoary: abdomen club-shaped, much narrower than the chest and more than thrice its length, compressed and very slender for nearly three-fourths of the length, widening thence to the tip, adorned with seven or eight broad hoary bands: legs yellow; feet and four front thighs and shanks black, yellow at the base; hind knees and tips of hind shanks black: wings dark brown, paler towards the tips and along the hind borders; wing-ribs piceous; veins black; poisers yellow. Length of the body 4 lines; of the wings 5½ lines.

a. North Bengal. From Miss Campbell's collection.

LEPTOGASTER Pedanius, n. s., mas. *Niger, thoracis lateribus pectoreque albis, abdominis fasciis ventreque cinereis, antennis fulvis apice nigris, pedibus fulvis, alis limpidis.*

Body black: head a little broader than the chest, covered with white down: eyes black; fore part nearly flat, its facets much larger than those of the other part: lip black: feelers black; first and second joints short, dark tawny; third joint tapering from the base to the tip, a little longer than the first and the second joints; bristle longer than the third joint: breast and sides of the chest white: abdomen very slender for three-fourths of its length, widening thence to the tip, much narrower than the chest and about thrice its length; borders of the segments and under-side gray; first and second segments very short; third and following segments long: legs tawny; claws black: wings colourless; wing-ribs piceous; veins black; poisers tawny. Length of the body 4 lines; of the wings 5 lines.

a. New Holland. Presented by the Haslar Hospital.

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